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ABSTRACT

The design of this high school is explained by outlining the decision making process used by the architects. The following design criteria form the basis of this process--(1) design for expansion, (2) design for team teaching, (3) organized by function, (4) space for teachers, (5) space for instructional materials, (6) audio-visual communication center, (7) design for joint school-park use, (8) design for year-round school year, (9) flexibility in design and structure, and (10) design stimuli for students. The meaning of the design criteria is depicted through graphs and diagrams. A site plan, floor plans, and photographs explain the end products of the design. (TC)

ED035234

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PRELIMINARY PLANS

A SENIOR HIGH SCHOOL
IN THE
BAILEY HILL AREA
EUGENE, OREGON

SCHOOL DISTRICT NO. 4
EUGENE, OREGON

LUTES AND AMUNDSON, A.I.A.
ARCHITECTS AND COMMUNITY PLANNERS
TWO HUNDRED SOUTH MILL STREET
SPRINGFIELD, OREGON

ODELL MACCONNELL ASSOCIATES
EDUCATIONAL PLANNING CONSULTANTS

MARQUESS AND MARQUESS
CONSULTING MECHANICAL ENGINEERS

MARQUESS AND YATES
CONSULTING ELECTRICAL ENGINEERS

MITCHELL AND MCARTHUR
LANDSCAPE ARCHITECTS

OCTOBER, 1964

EF 003 856

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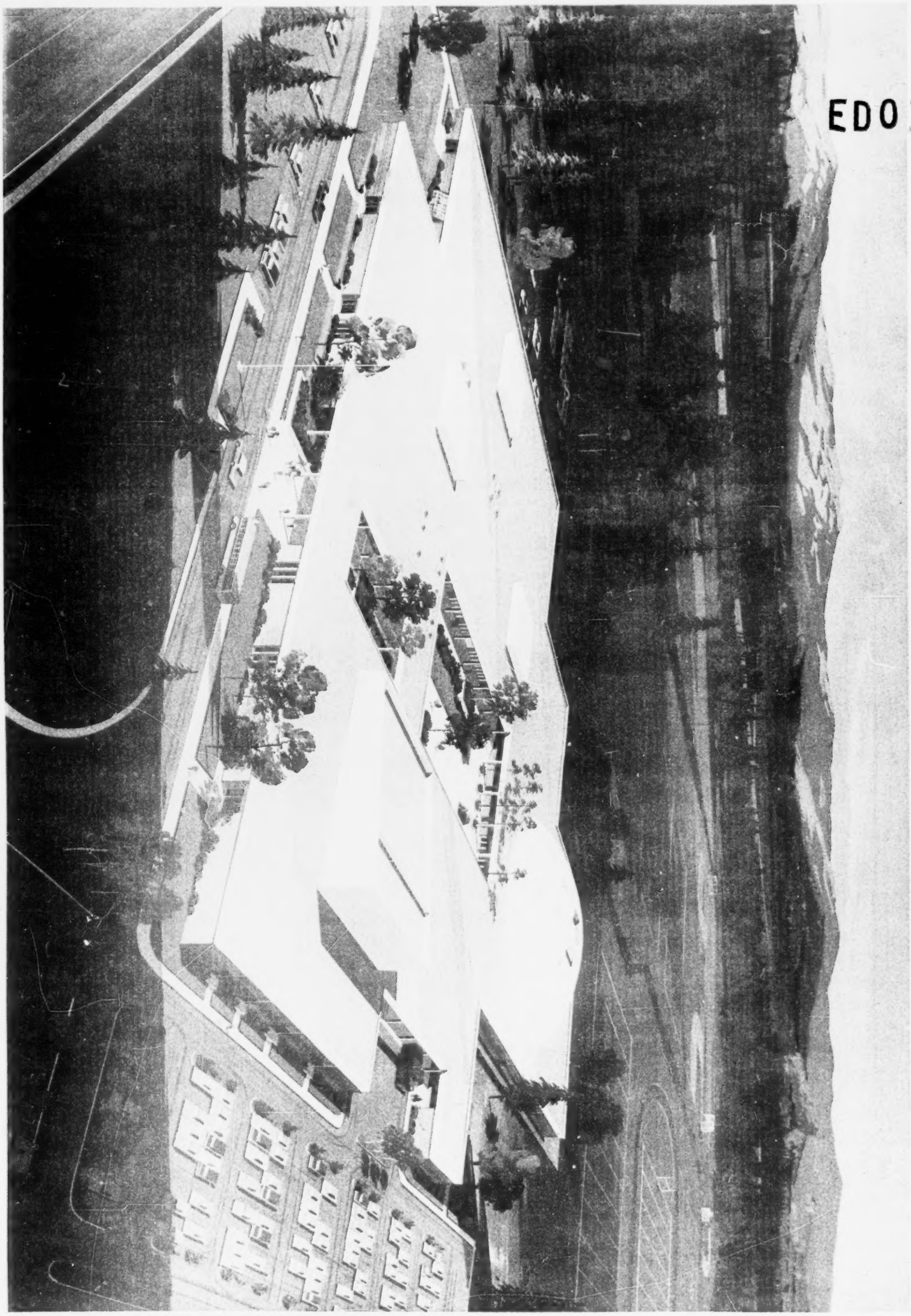


PREFACE TO THE PLAN

THE TRANSLATION OF A SERIES OF NEEDS, IDEAS AND DESIGN CRITERIA INTO AN ANTICIPATED BUILDING FORM IS ACCOMPLISHED IN THE PRELIMINARY PLANNING STAGE. HERE THE PROGNOSIS OF THE REQUIRED SPACES AND FUNCTIONS IS ANALYSED AND SYNTHESIZED INTO A BUILDING PROGRAM THROUGH DRAWINGS AND SKETCHES. CONTINUOUSLY, THROUGH THE COURSE OF THIS DESIGN PROCESS EVALUATION OF SOLUTIONS AND RE-EVALUATION OF STATED PROGRAMMED NEEDS HAVE BEEN MADE WITH TEACHING STAFF, AND ADMINISTRATION. THE RESULT IS A COORDINATED STATEMENT IN DRAWING AND NARRATIVE FORM OF THE PHYSICAL, FUNCTIONAL AND ESTHETIC PROPOSALS FOR THIS NEW HIGH SCHOOL.

MANY ELEMENTS, HERETOFORE UNUSED IN THIS DISTRICT, ARE INCORPORATED INTO THESE PLANS. OTHER KNOWN ELEMENTS HAVE BEEN PLANNED FOR BUT NOT INCLUDED BECAUSE OF LACK OF FUNDS OR LACK OF PROGRAM TO WARRANT INCLUSION AT THIS TIME.

AS THIS BUILDING PROGRAM IS DEVELOPED IN THE TECHNICAL LANGUAGE OF THE BUILDING INDUSTRY THROUGH ARCHITECTURAL AND ENGINEERING DRAWINGS IT WILL BE ATTEMPTED NOT ONLY TO MAINTAIN THESE PLANS BUT TO REFINE THEM INTO A SIMPLE TO CONSTRUCT, DURABLE AND ESTHETICALLY ACCEPTABLE EDUCATIONAL FACILITY.

CHANGES IN SECONDARY EDUCATION .....

* CURRICULUM

- SCOPE AND SEQUENCE
- DEPTH AND RANGE
- EXTENTION TO NEW AREAS

* INSTRUCTIONAL METHODS

- VARYING GROUP SIZES (1-300)
- EXPANDED RESOURCES
- NEW TEACHING MEDIA
- NEW TEACHING METHOLOGY
- MORE INDIVIDUALIZATION OF STUDY

* INSTRUCTIONAL PERSONNEL

- MORE SPECIALIZATION
- CLOSER COOPERATION
- TEAM TEACHING
- TEACHER AIDES AND INTERNS

* TIME & SPACE FRAMEWORK

- EXTENDED DAY
- EXTENDED YEAR
- FLEXIBLE SCHEDULING THROUGH VARYING TIME MODULES

HAVE

IMPLICATIONS FOR SCHOOL BUILDINGS .....

* FLEXIBILITY IN SIZE

- ABILITY TO EXPAND IN OVERALL SIZE
- ABILITY FOR DEPARTMENTS TO EXPAND

* ADAPTABILITY IN DESIGN

- ABILITY TO CHANGE EDUCATIONAL USE WITHIN SCHOOL DAY
- ABILITY TO CHANGE BUILDING OR ROOM ARRANGEMENT
- ABILITY TO ACCOMMODATE MATOR CHANGES WITHIN BUILDING SHELL
- PROVISION OF DIVERSE SIZE EDUCATIONAL SPACES

* SPECIALIZED SPACES

- INSTRUCTIONAL MATERIALS CENTER
- INSTRUCTIONAL MATERIALS STORAGE
- INDIVIDUAL STUDY
- PROGRAMMED INSTRUCTION
- TEACHERS OFFICES
- SPECIALIZED LABORATORIES
- LARGE GROUP INSTRUCTION SPACES

* A.V. COMMUNICATIONS CENTER

- CENTRALIZED CONTROL OF ALL AUDIO-VISUAL MATERIAL

* QUALITY CONTROLED ENVIRONMENT

- SPACIAL
- VISUAL
- SONIC
- THERMAL
- AESTHETIC

* ECONOMICAL

- ELIMINATION OF UNESSENTIALS
- EFFICIANCY IN FUNCTION
- MODERATE IN PRICE

NEW SCHOOL DESIGN MUST RECOGNIZE THESE NEW TEACHING CONCEPTS BY SYMPATHETIC

DESIGN CRITERIA

HERE ARE THE DESIGN CRITERIA USED FOR THIS SCHOOL AND WHAT THEY MEAN . . . . . .

1. DESIGN FOR EXPANSION
2. DESIGN FOR TEAM TEACHING
3. ORGANIZE BY FUNCTION
4. SPACE FOR TEACHERS
5. SPACE FOR INSTRUCTIONAL MATERIALS
6. AUDIO-VISUAL COMMUNICATION CENTER
7. DESIGN FOR JOINT SCHOOL-PARK USE
8. DESIGN FOR YEAR-ROUND SCHOOL YEAR
9. FLEXIBILITY IN DESIGN & STRUCTURE
10. DESIGN STIMULI FOR STUDENTS

TO PROVIDE

QUALITY ENVIRONMENT

FOR

EFFECTIVE EDUCATION

QUALITY ENVIRONMENT FOR EFFECTIVE EDUCATION REQUIRES

DESIGN 1 CRITERIA

DESIGN FOR EXPANSION

INITIAL SIZE

1400 STUDENTS

TEACHERS

231,299 SQUARE FT.

165 SQUARE FEET PER STUDENT

ULTIMATE SIZE

1800 STUDENTS

TEACHERS

257,029 SQUARE FT.

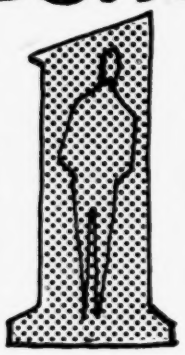
143 SQUARE FEET PER STUDENT

QUALITY ENVIRONMENT FOR
EFFCTIVE EDUCATION REQUIRES

DESIGN 2 CRITERIA

DESIGN FOR TEAM TEACHING

MOST HIGH SCHOOL TEACHERS

ARE IN TEACHING  PERSON ROOM SUBJECT TO 30 STUDENTS PER PERIOD

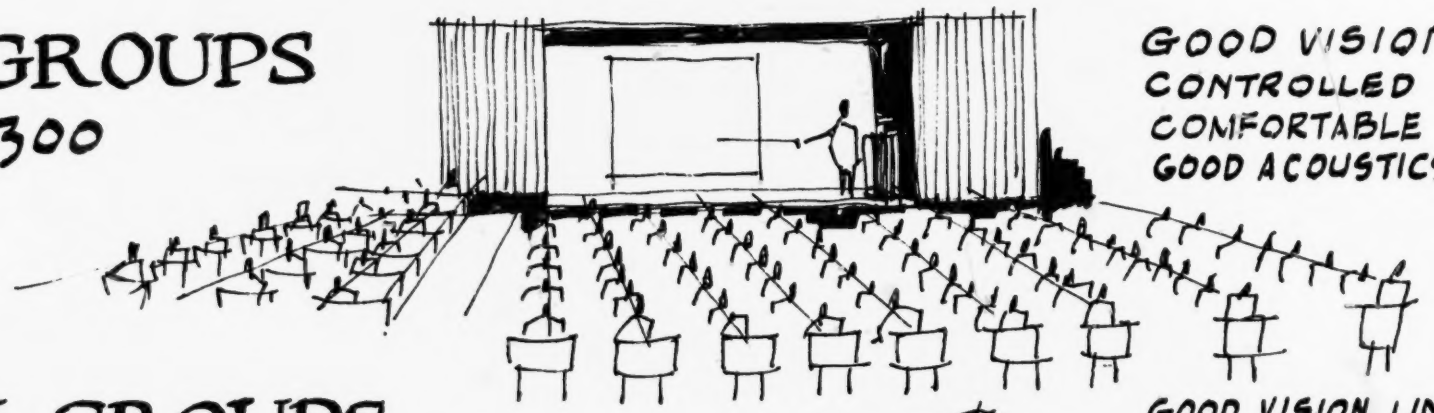
BUT . . . . NOT AT ALL TEACHERS ARE GOOD THINGS

WITH TEACHERS WORKING AS A TEAM EACH DOING HIS BEST JOBS,
CLASSES MIGHT BE DIFFERENT SIZES

* LARGE GROUPS — LEARNING FROM ONE TEACHER. BASIC CONCEPTS
* MEDIUM GROUPS — LEARNING FROM ONE TEACHER IDEA & TECHNIQUES
* SMALL GROUPS — EXCHANGING, EXAMINING IDEAS WITH ONE TEACHER
* INDIVIDUAL GROUPS — SEARCHING, EXPERIMENTING WITH ONE TEACHER OR ALONE

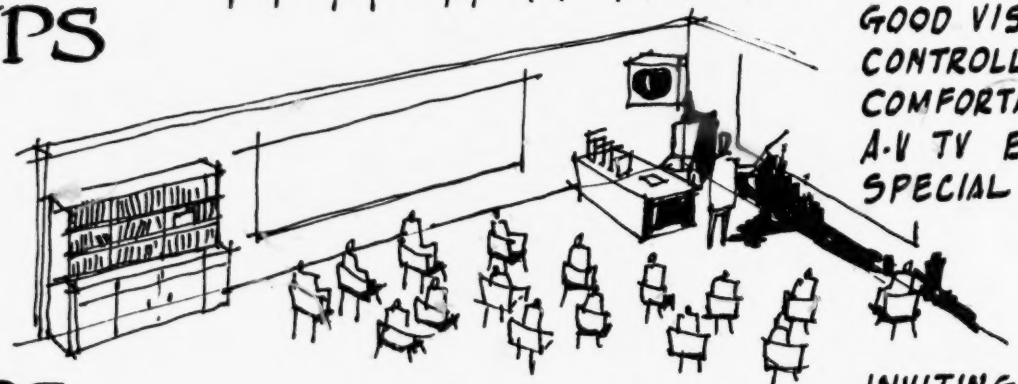
DIFFERENT SIZE GROUPS NEED DIFFERENT SPACES

* LARGE GROUPS
100 TO 300



GOOD VISION LINES
CONTROLLED LIGHTING
COMFORTABLE TEMPERATURE
GOOD ACOUSTICS, A-V. EQUIPMENT

* MEDIUM GROUPS
25 TO 50

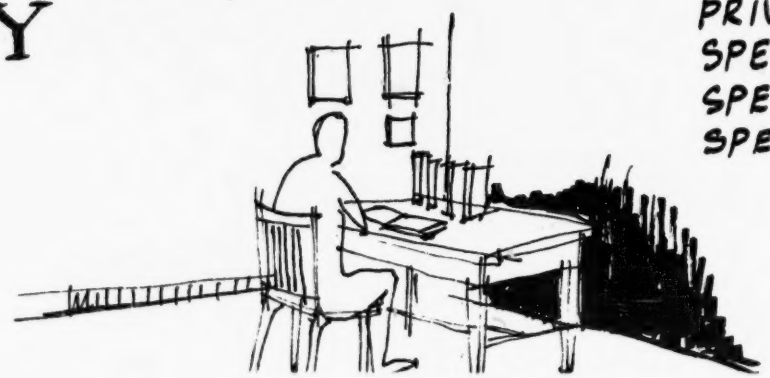


GOOD VISION LINES,
CONTROLLED LIGHTINGS
COMFORTABLE TEMPERATURE
A-V TV EQUIPMENT
SPECIAL BOOKS

* SMALL GROUPS
10 TO 15

INVITING SPACE
SPECIAL EQUIPMENT
SPECIAL BOOKS
QUIET ATMOSPHERE

* INDIVIDUAL STUDY



PRIVATE SPACE
SPECIAL EQUIPMENT
SPECIAL BOOKS
SPECIAL INFORMATION

LUTES AND AMUNDSON
AIA ■ ARCHITECTS AND COMMUNITY PLANNERS ■■■■
SPRINGFIELD, OREGON

TO: Educational Facilities
% Miss Juel Kamke
606 State St., Room 314
Madison, Wisconsin 53703
ATTENTION:

DATE: 5 February 1970

PROJECT:

PROJECT NO.:

TRANSMITTAL:

X Herewith
_____ Under Separate Cover
_____ By Carrier

DISPOSITION:

_____ For Approval and/or Signature
_____ For Your Information
_____ Resubmission

COPIES	ITEM	DATED
1	Design Development Plans - Phase One The College of Education, The Behavioral Sciences The University of Oregon	003 854
1	Alternative Development Concepts for the Southwest Quadrant University of Oregon - Eugene, Oregon	003 855

REMARKS Preliminary Plans. A Senior High School in the Bailey Hill Area - Eugene, Oregon. School District No. 4, Eugene, Oregon - (Copy not available). 003856

TRANSMITTED BY: JMA

QUALITY ENVIRONMENT FOR EFFECTIVE EDUCATION REQUIRES

DESIGN 3 CRITERIA

ORGANIZE BY FUNCTION

ACTIVITY

PHYSICAL ED.

DRAMA

ART

MUSIC

IND. ARTS

CONTROL

ADMINISTRATION

JANITOR

SERVICES

FOOD SERVICE

BOILER

ACADEMIC

BUS. ED.

HOME EC.

INSTRUCTIONAL MATERIAL CENTER

SCIENCE

MATH

ENGLISH

FOREIGN LANG.

SOCIAL STUDIES

QUALITY ENVIRONMENT FOR EFFECTIVE EDUCATION REQUIRES

DESIGN 4 CRITERIA

SPACE FOR TEACHERS

WORKING SEPARATELY & TOGETHER TEACHERS MUST

* DIRECT — LEARNING ACTIVITIES
* PLAN — METHOD AND MATERIALS OF INSTRUCTION
* TEACH — CONCEPTS AND APPRECIATIONS
* COUNSEL — WITH STUDENTS AND PARENTS
* EVALUATE — STUDENT'S WORK
* GATHER — INFORMATION AND MATERIALS

ALL OF THESE ACTIVITIES REQUIRES

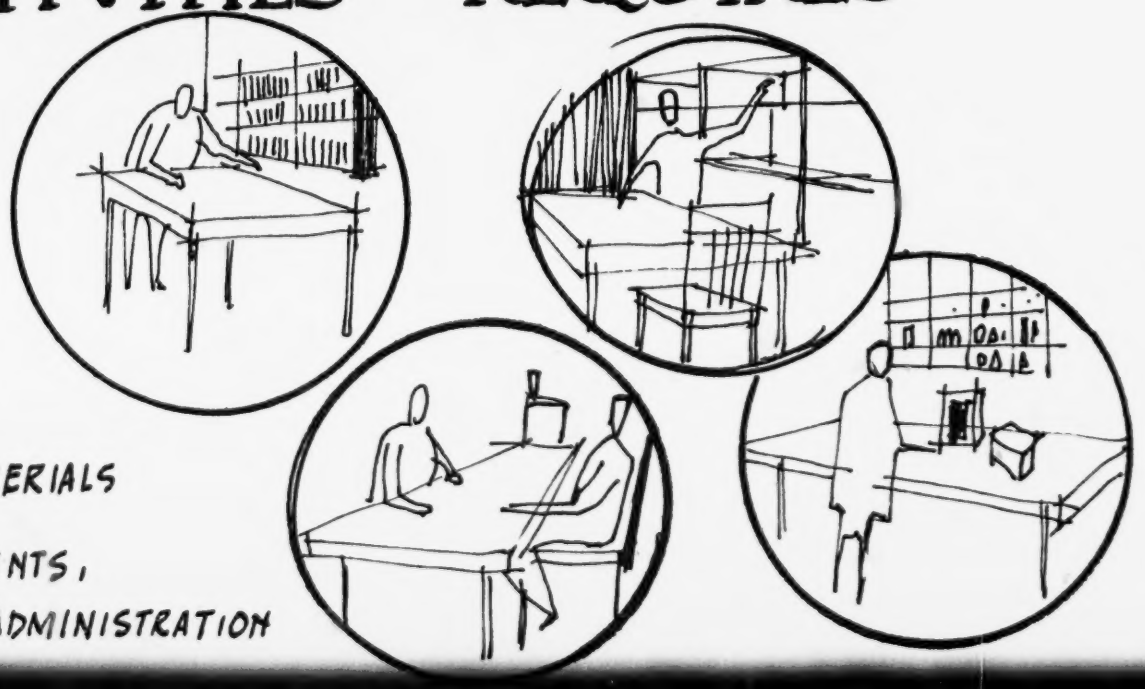
space

TO MEET AND WORK PRIVATELY

TO PLAN AND PREPARE LESSONS

TO DEVELOP AND STORE INSTRUCTIONAL MATERIALS

TO CONFER WITH OTHERS - STAFF, PARENTS, STUDENTS, ADMINISTRATION



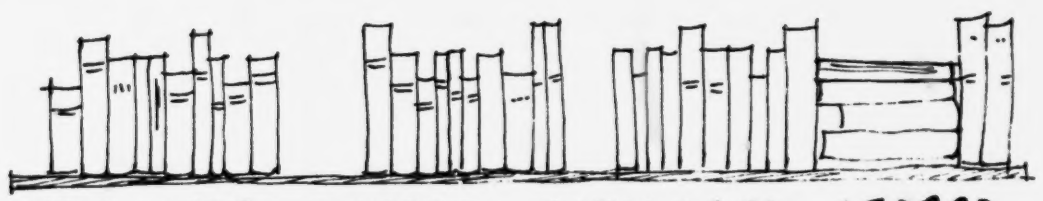
QUALITY ENVIRONMENT FOR EFFECTIVE EDUCATION REQUIRES

DESIGN 5 CRITERIA

SPACE FOR INSTRUCTIONAL MATERIALS

YESTERDAY

THE TEACHER UTILIZED A LIMITED NUMBER OF INSTRUCTIONAL AIDS ..... MOSTLY BOOKS.



THEY WERE ORDERED, CATALOGED, STORED AND DISTRIBUTED BY THE "LIBRARY" DOWN THE HALL.

TODAY

NEW INSTRUCTIONAL TECHNIQUES WILL UTILIZE BOOKS, PERIODICALS, FILMS, AND SLIDES, MICROFILMS, RECORDS, TAPES, VIDEO-TAPES, MODELS.

THESE WILL BE STORED, DISTRIBUTED, PRODUCED AND CATALOGED IN THE

"INSTRUCTIONAL MATERIAL CENTER"

THIS CENTER WILL BRING ALL INSTRUCTIONAL MEDIA TOGETHER IN ONE COORDINATED FACILITY THAT WILL BE THE HEART OF THE ACADEMIC AREA

THE TEACHERS USING **NEW MEDIA**

MAKES LEARNING MORE EFFECTIVE FOR

ALL STUDENTS

QUALITY ENVIRONMENT FOR
EFFECTIVE EDUCATION REQUIRES

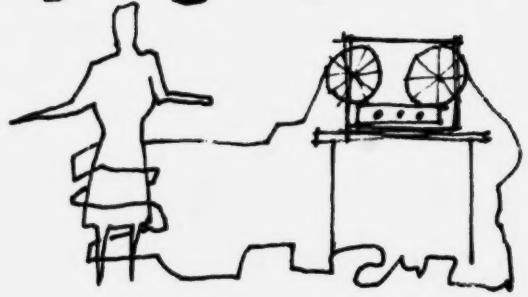
DESIGN 6 CRITERIA

AV-COMMUNICATION CENTER

IN THE PAST EACH TEACHER CHECKED OUT, TRANSPORTED, OPERATED AND RETURNED EACH PIECE OF A-V EQUIPMENT.

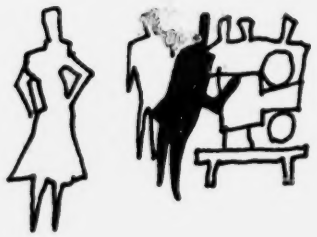
THE RESULT:

CONFUSION



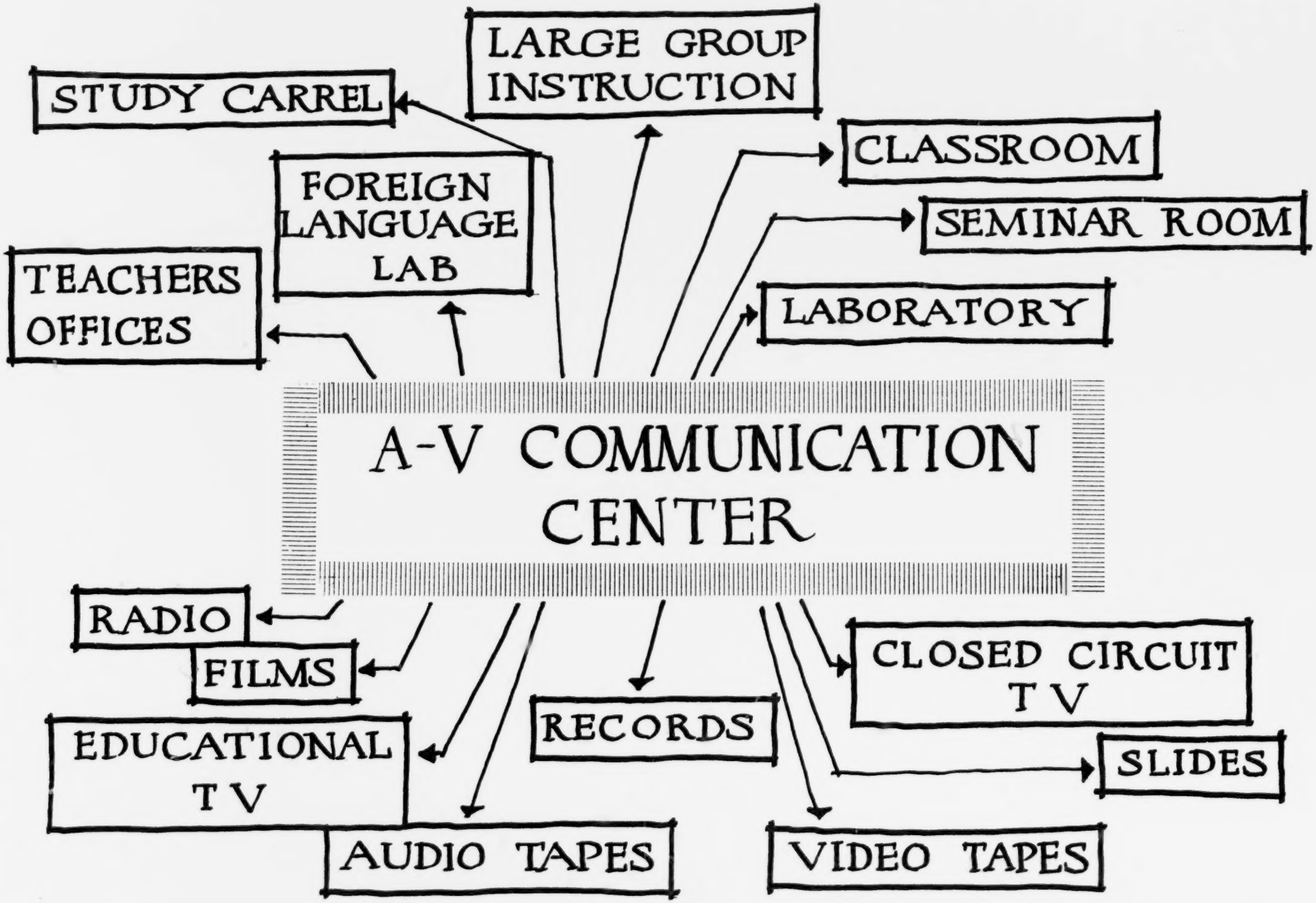
DAMAGE

DELAYS



INEFFICIENCY

THE A-V COMMUNICATION CENTER WILL ALLOW ALL AUDIO-VISUAL INFORMATION TO BE TRANSMITTED FROM ONE SOURCE THROUGH ONE SYSTEM TO EVERY PART OF THE SCHOOL.

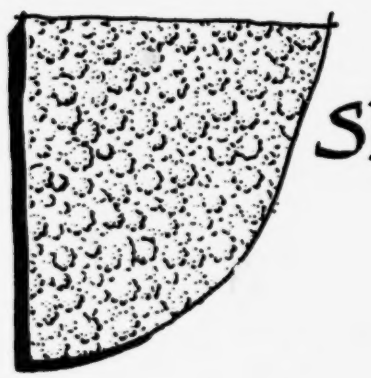

LARGE GROUP INSTRUCTION
STUDY CARREL
FOREIGN LANGUAGE LAB
CLASSROOM
SEMINAR ROOM
TEACHERS OFFICES
LABORATORY
A-V COMMUNICATION CENTER
RADIO
FILMS
EDUCATIONAL TV
RECORDS
CLOSED CIRCUIT TV
SLIDES
AUDIO TAPES
VIDEO TAPES

QUALITY ENVIRONMENT FOR EFFECTIVE EDUCATION REQUIRES

DESIGN 7 CRITERIA

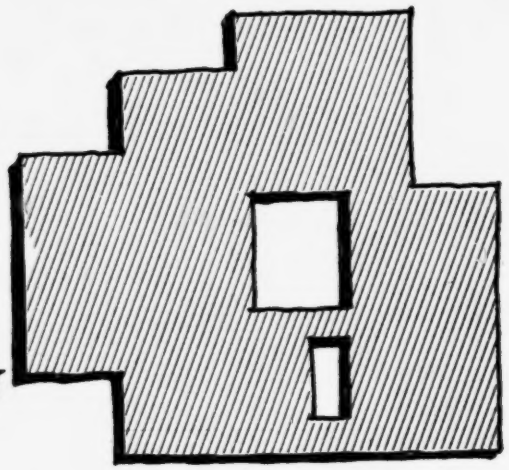
DESIGN FOR JOINT SCHOOL-PARK USE

TO GAIN THE MAXIMUM BENEFIT FOR DOLLARS SPENT



SITE &

BUILDING



SHOULD BE DESIGNED FOR

FULL COMMUNITY USE

SCHOOL FACILITIES		PARK FACILITIES
GYMNASIAE		SWIMING POOL
ARTS AND CRAFTS		DRESSING ROOMS
MUSIC		RECREATION BUILDINGS
AUDITORIUM		TENNIS COURTS
TRACKS AND FIELDS		PLAYFIELD AND PICNIC AREA

QUALITY ENVIRONMENT FOR EFFECTIVE EDUCATION REQUIRES

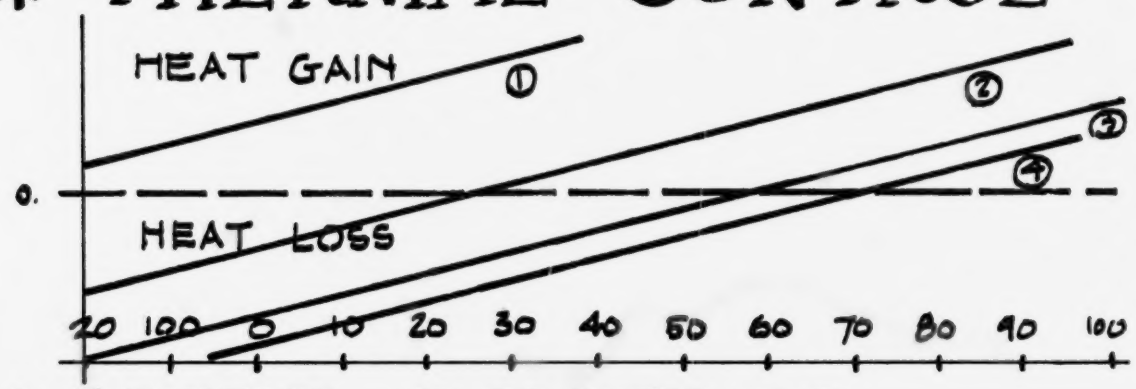
DESIGN & CRITERIA

DESIGN FOR YEAR-ROUND SCHOOL

INCREASED DESIRE ROR MORE COURSES HAS EXTENDED THE SCHOOL YEAR . . . . . THUS

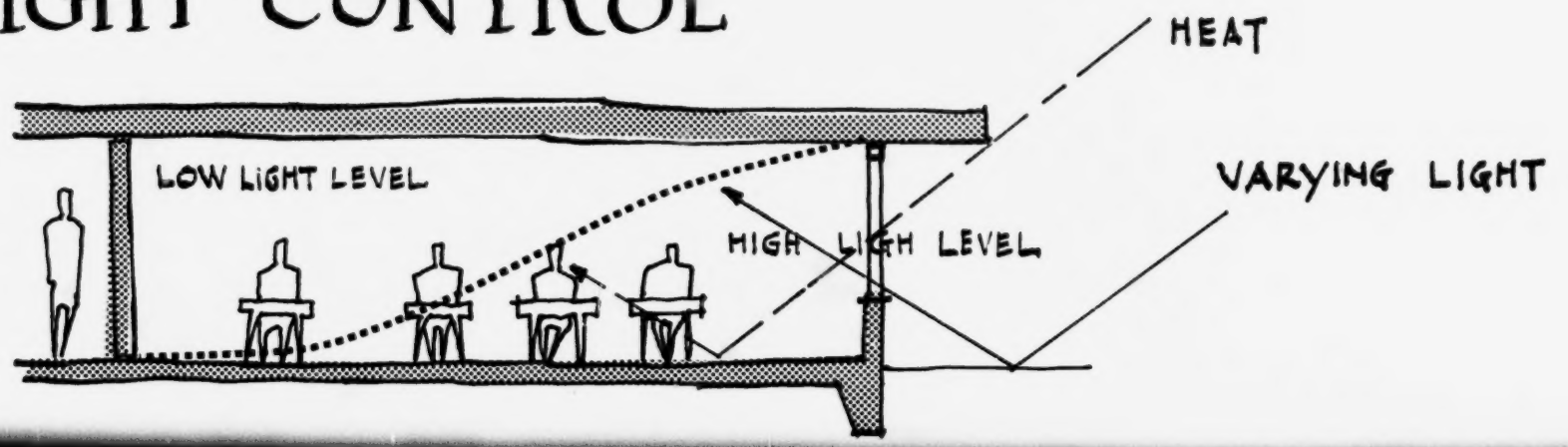
THE BUILDING MUST BE ADAPTABLE THROUGH

* THERMAL CONTROL



①LIGHTS, PEOPLE, BUILDING AND SUN
②LIGHTS, PEOPLE AND BUILDING
③PEOPLE AND BUILDING
④BUILDING ONLY

* LIGHT CONTROL



QUALITY ENVIRONMENT FOR EFFECTIVE EDUCATION REQUIRES

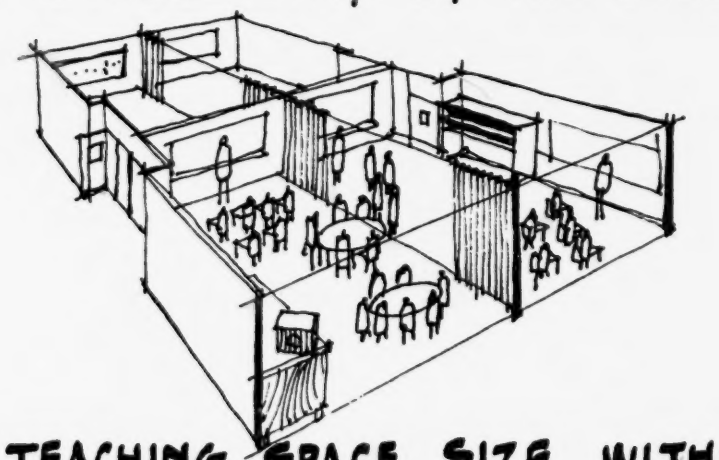
DESIGN 9 CRITERIA

FLEXIBILITY IN DESIGN & STRUCTURE

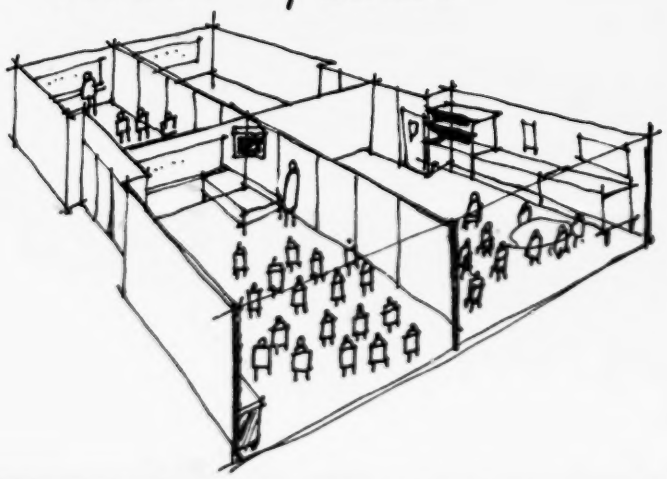
AS TEACHING METHODS CHANGE DIFFERENT TYPES OF TEACHING SPACES ARE NEEDED. SCHOOLS MUST BE

CONVERTABLE

* IN TEACHING SPACE SIZE WITHIN THE SCHOOL DAY BY THE TEACHER.

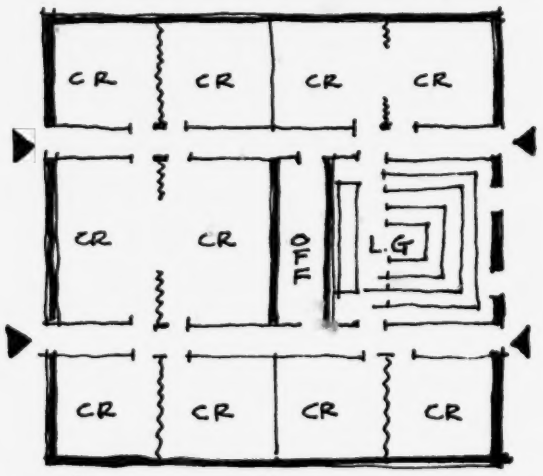


* IN TEACHING SPACE SIZE WITHIN THE SCHOOL YEAR.

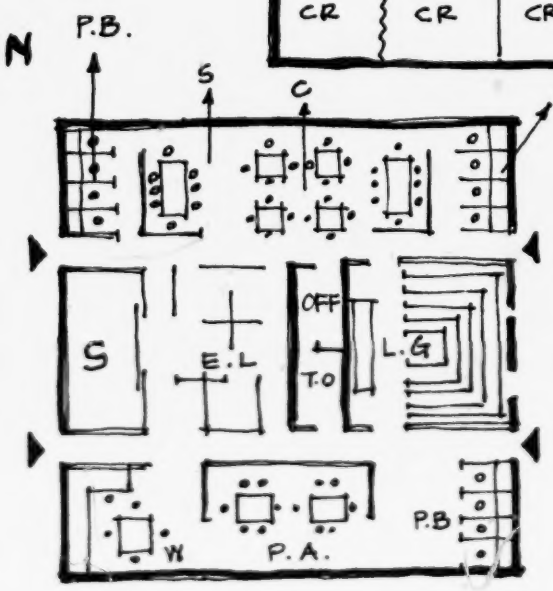


ADAPTABLE

TO ACCOMMODATE A VARIETY OF FUNCTIONS IN ITS LIFETIME.



TODAY



CR - CLASS ROOM
L.G - LARGE GROUP MEETING
OFF - OFFICE
P.B - PRIVATE BOOTH
S - SEMINAR
E.L. - EXHIBITION LOUNGE
T.O. - TEACHER'S OFFICE
W - WORKSHOP
P.A. - PROJECT AREA

TOMORROW

QUALITY ENVIRONMENT FOR
EFFECTIVE EDUCATION REQUIRES

DESIGN 10 CRITERIA

DESIGN STIMULI FOR STUDENTS

NOT ALL LEARNING AND SOCIAL GROWTH IS ACCOMPLISHED IN THE CLASSROOM

THE BUILDING DESIGN SHOULD

* ENCOURAGE IMAGINATIVE USE OF THE BUILDING FOR | STUDENT ART WORKS
| STUDENT ACTIVITIES

* ENCOURAGE TRADITIONS, CUSTOMS & PRIDE THROUGH | STDENT ACTIVITIES
| CLASS PROJECTS

* ENCOURAGE ACCEPTANCE OF LEARNING AS A RESPONSIBILITY OF CITIZENSHIP.

THE SITE PLAN

The site for this school facility is located in West Eugene at the end of West 18th Avenue and is bounded on the east and north by Bailey Hill Road. Roughly triangular, the site is level on the north part and slopes steeply southward to the apex.

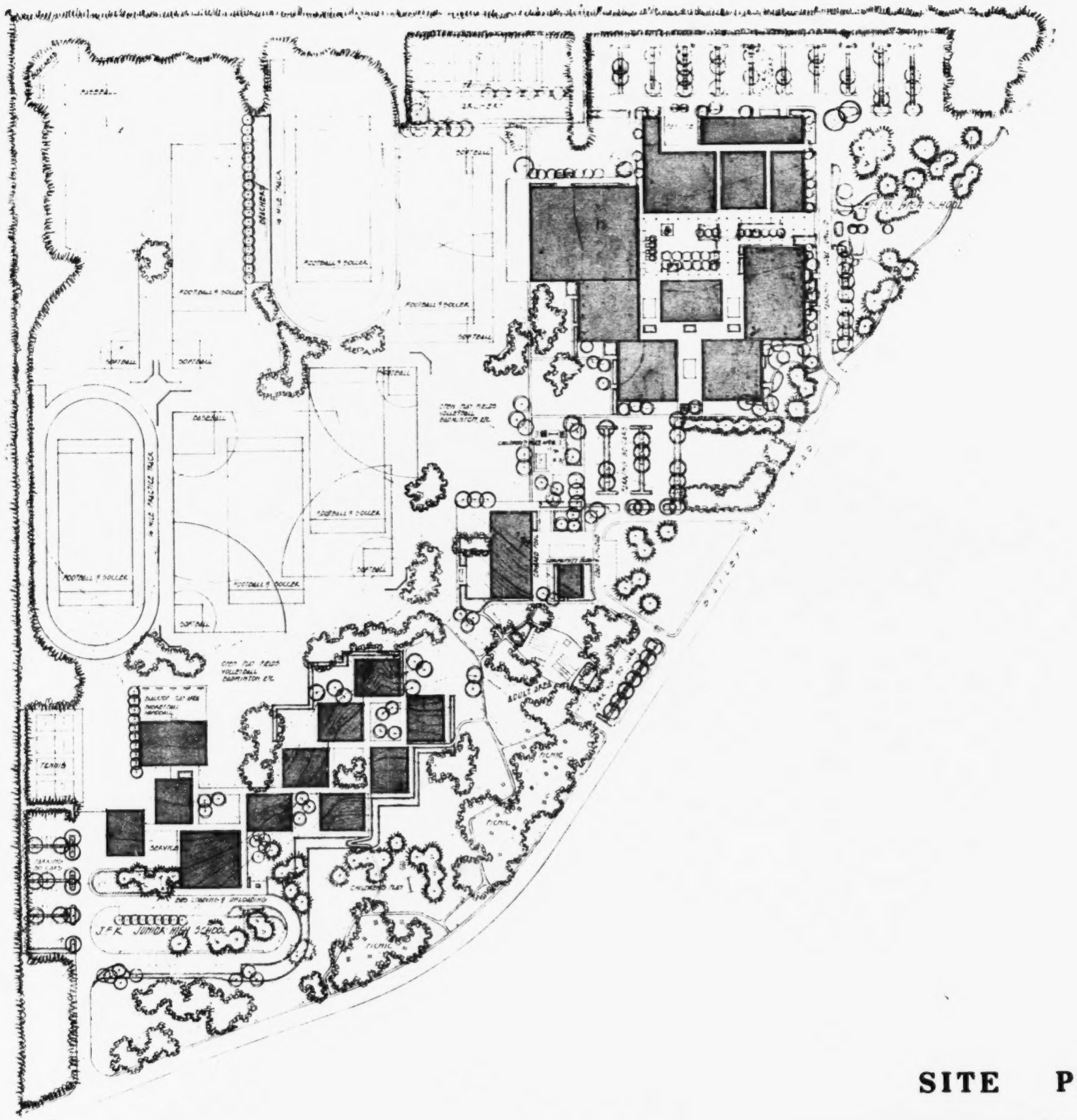
Two schools will be located on the site; John F. Kennedy Jr. High School will be located on the steep southern slopes and this High School will be located on the level northern portion. Playfields, recreation facilities and community activities - some possibly developed by the City of Eugene when this is a part of the City - will be located between the two schools. Some of these, such as softball diamonds, will be used jointly by both the junior and senior high school; others such as the football fields, will be separate facilities. It is anticipated that the joint school-park program will eventually result in the development of a swimming pool, community building, picnic areas and children's play grounds.

Space has been allocated south of the high school for a future swimming pool, community building and parking area. These facilities will be centrally located to both schools and the play fields for school use and summer park use.

Adequate space has been allocated along the north, boundary for one half of the right of way for the extension of 18th Avenue westerly. As this is not planned to be done prior to this building program, access to the school will be off the end of 18th Avenue and Bailey Hill Road.

Parking for the high school is located between the north boundary and the school. This will allow good access to the future street as well as providing a buffer for the school. This parking is adjacent to the major public use areas of the school. A passenger loading drive and visitor parking area loops off Bailey Hill Road past the main school entrance.

Eventual completion of all parts of the area will provide a complete education - recreational facility for use by the residents of this area of the community.



SITE PLAN

0 250 500 Feet

THE BUILDING PLANS

THE TOTAL BUILDING PROGRAM FOR THIS SCHOOL WILL PROVIDE AN EDUCATIONAL FACILITY FOR 1800 STUDENTS. THIS IS THE SIZE OF HIGH SCHOOL WHICH HAS BEEN ESTABLISHED BY THE DISTRICT AS SATISFACTORY TO PROVIDE A COMPLETE EDUCATIONAL PROGRAM.

THE FIRST PHASE CONSTRUCTION WILL PROVIDE FOR APPROXIMATELY 1200 STUDENTS IN THE ACADEMIC AREAS. THE NON-ACADEMIC ACTIVITY AND SERVICE AREAS ARE SIZED FOR THE ULTIMATE SCHOOL ENROLLMENT. THIS REQUIRES SOME OVER-BUILDING OF THESE AREAS INITIALLY TO MEET THE ULTIMATE PROGRAM. THE FUTURE ENROLLMENT SIZE WILL BE ACCOMMODATED BY THE ADDITION OF A SOCIAL STUDIES AREA AND REORGANIZATION OF DEPARTMENTS WITHIN THE FIRST PHASE CONSTRUCTION.

THE SIZE, FUNCTION, AND FACILITIES FOR EACH DEPARTMENT ARE DESIGNED TO FULFILL THE NEEDS AS EXPRESSED IN THE EDUCATIONAL FACILITIES PROGRAM. THIS PROGRAM WAS PREPARED WITH THE TEACHING STAFF AND ADMINISTRATION PRIOR TO THE BEGINNING OF DESIGN. SOME ADJUSTMENTS IN THIS PROGRAM HAVE BEEN EFFECTED BY RE-EVALUATION OF PREVIOUSLY DEVELOPED INFORMATION.

THE OVERALL BUILDING IS COMPOSED OF THREE BASIC AREAS- THE ACADEMIC AREA, THE ACTIVITY AREA AND THE PHYSICAL EDUCATION AREA. THESE GENERAL AREAS ARE ORGANIZED AROUND A LARGE CENTRAL OPEN SPACE OR GREAT COURT.

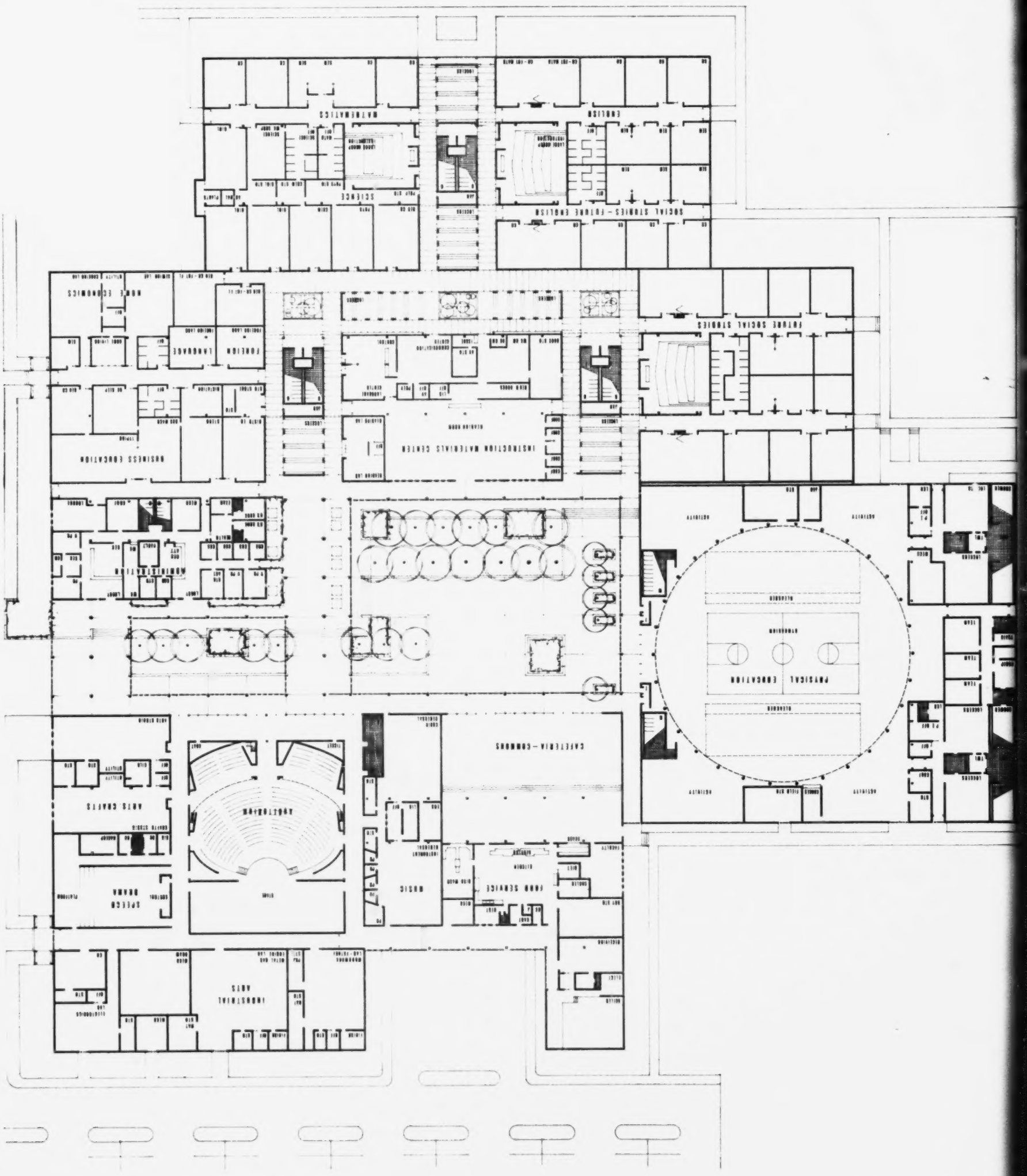
THE ACADEMIC AREA, SOUTH OF THE GREAT COURT IS COMPOSED OF FOUR SIMILAR SIZE UNITS HOUSING RELATED DEPARTMENTS AND ENCIRCLING THE INSTRUCTIONAL MATERIALS CENTER - THE BASIC INFORMATION CENTER OF THE SCHOOL. CLOSE TO THIS GROUP AND NEAR THE MAIN ENTRANCE IS THE ADMINISTRATION UNIT.

NORTH OF THE GREAT COURT ARE GROUPED THE ACTIVITY AREAS AND CAFETERIA. THESE AREAS HAVE THE GREATEST PUBLIC USAGE AND ARE THUS GROUPED TOGETHER AND LOCATED FOR EASY PUBLIC ORIENTATION AND ACCESS.

THE PHYSICAL EDUCATION FIELDHOUSE TERMINATES THE WEST END OF THE GREAT COURT. IT IS ALSO READILY ACCESSIBLE TO THE PUBLIC AS WELL AS BEING CLOSELY RELATED TO THE OUTDOOR ATHLETIC FIELDS.

THE BUILDING HAS BEEN LOCATED AS CLOSE TO THE NORTH BOUNDARY AND BAILEY HILL ROAD AS IS REASONABLE IN ORDER TO PRESERVE AS MUCH OF THE FLAT SITE AREA AS POSSIBLE FOR OUTDOOR ACTIVITY AREA. EVEN SO, SOME TERRACING OF PLAY FIELDS WILL BE NECESSARY TO ACCOMPLISH FULL UTILIZATION OF THE SITE.

THE SHAPE OF THE BUILDING HAS GROWN OUT OF THE DESIRED FUNCTIONAL ARRANGEMENT OF DEPARTMENTS AND THE ATTEMPT FOR A SIMPLE, ECONOMICAL BUILDING FORM.


MATHEMATICS
SCIENCE
ENGLISH
SOCIAL STUDIES - FUTURE ENGLISH
MODERN ECONOMICS
FOREIGN LANGUAGE
BUSINESS EDUCATION
INSTRUCTION MATERIALS CENTER
FUTURE SOCIAL STUDIES
ACTIVITY
GYMNASIUM
PHYSICAL EDUCATION
ACTIVITY
CAFETERIA - COMMONS
AUDITORIUM
ARTS CRAFTS
SPEECH DRAMA
MUSIC
FOOD SERVICE
INDUSTRIAL ARTS

BUILDING AREA SUMMARY

EDUCATIONAL SPACE

ADMINISTRATION	7 728	SQ.FT.
BUSINESS EDUCATION	7 780	
HOME ECONOMICS	4 014	
FOREIGN LANGUAGES	3 562	
SCIENCE	11 328	
MATHEMATICS	4 243	
ENGLISH	14 120	
(FUTURE SOCIAL STUDIES)	(14 120)	
I.M.C.	12 072	
MUSIC	5 864	
DRAMA-AUDITORIUM	15 496	
ARTS AND CRAFTS	5 160	
PHYSICAL EDUCATION	47 264	
CAFETERIA-FOOD SERVICE	14 560	
INDUSTRIAL ARTS	8 488	
(FUTURE WOOD SHOP)	(2 972)	
TOTAL EDUCATION SPACE PRESENT	161 679	SQ.FT.
FUTURE	(178 771	SQ.FT.)

CORRIDORS

ADMINISTRATION-BUSINESS EDUC.	1 376	SQ.FT.
BUSINES EDUC.-FOREIGN LANGUAGE	1 440	
MATHEMATICS - SCIENCE	1 556	
ENGLISH	1 428	
SOCIAL STUDIES	1 428	
LOCKER CORRIDOR	11 952	
AUDITORIUM	6 696	
LOCKERS	4 160	
	(864)	
TOTAL CORRIDORS PRESENT	30 036	SQ.FT.
FUTURE	(36,506	SQ.FT.)

MECHANICAL SPACE

ADMINISTRATION	360	SQ.FT.
I.M.C.-BUSINESS EDUCATION	2 400	
ENGLISH-SCIENCE	2 400	
AUDITORIUM-MUSIC-ART	2 028	
INDUSTRIAL ARTS	440	
PHYSICAL EDUCATION	544	
CAFETERIA-FOOD SERVICE	320	
SOCIAL STUDIES	(2 400)	
TOTAL PRESENT	8 172	SQ.FT.
FUTURE	(10 572	SQ.FT.)

TOILET ROOMS AND JANITORIAL SPACE

I.M.C.-BUSINESS EDUCATION	1 008	SQ.FT.
ENGLISH-SCIENCE	1 008	
MUSIC	440	
PHYSICAL EDUCATION	308	
BOILER-RECEIVING STORAGE	3 008	
SOCIAL STUDIES	(1 008)	
TOTAL PRESENT	5 772	SQ.FT.
FUTURE	(6 780	SQ.FT.

EXTERIOR COVERED AREAS

COURT AND ENTRY

TOTAL PRESENT @ 1/2	12,820 SQ.FT.
FUTURE @ 1/2	(12,200 SQ.FT.)

TOTAL BUILDING AREA PRESENT	231 299	SQ.FT.
FUTURE	(257 029	SQ.FT.)
SQUARE FEET PER STUDENT PRESENT 1400	165	SQ.FT.
FUTURE 1800	(143	SQ.FT.)

ADMINISTRATION - HEALTH CENTER

THE ADMINISTRATION AREA IS ORGANIZED TO SERVE TWO GROUPS -- THE STUDENT BODY AND THE GENERAL PUBLIC. THIS UNIT IS LOCATED TO BE READILY ACCESSIBLE TO BOTH THESE GROUPS. IN ADDITION, SPACE IS PROVIDED FOR TEACHERS TO LOUNGE OR HAVE CONFERENCES TOGETHER.

THIS AREA IS THE CONTROL AND COMMUNICATION CENTER FOR ALL AREAS OF THE SCHOOL FOR BOTH STUDENTS AND STAFF. THE GENERAL OFFICE, REGISTRAR AND RECORD STORAGE ACTS AS THE CORE OF THE ADMINISTRATIVE SUITE. AROUND THESE ACTIVITIES REVOLVES THE ADMINISTRATIVE AND COUNSELING OFFICES, CONFERENCE ROOMS, HEALTH CENTER AND STAFF LOUNGE.

THIS AREA PROVIDES THE FOLLOWING SPACES:

CENTRAL OFFICE	
PUBLIC WAITING	312
RECEPTION-SECRETARIAL CENTER	460
SECRETARIAL WORK ROOM	290
SUPPLY STORAGE	140
RECORDS VAULT	192
RECORDS STORAGE	140
RECORDS-ATTENDANCE OFFICE	352
	1886
ADMINISTRATION	
PRINCIPAL'S OFFICE	252
PRINCIPAL'S SECRETARY	168
COMMUNICATIONS ROOM	84
ADMINISTRATIVE VICE PRINCIPAL	252
	756
STUDENT PERSONNEL SERVICES	
STUDENT RECEPTION AREA	472
2 VICE PRINCIPALS OFFICES	468
4 COUNSELORS OFFICES	400
CONFERENCE ROOM	400
STUDENT ACTIVITIES ROOM	252
TEACHERS LOUNGE	632
	2624
HEALTH FACILITIES	
NURSES OFFICE	238
EXAMINATION ROOM	140
GIRLS SICK BAY	232
LAVATORY	48
BOYS SICK BAY	218
LAVATORY	42
	918
MISCELLANEOUS	
TOILETS	400
CORRIDORS	1744
MECHANICAL	360
TOTAL AREA	7728

HOME ECONOMICS

THE HOME ECONOMICS DEPARTMENT IS DESIGNED TO PROVIDE A SERIES OF FAMILY LIVING LABORATORIES, FOR BOTH FOODS AND CLOTHING. AN EXPERIMENTAL HOME LIVING AREA ALLOWS THE EXTENSION OF BOTH AREAS INTO A COORDINATION APPLICATION PROGRAM. A SEMINAR CLASSROOM PROVIDES SPACE FOR CLASS STUDY. IN ADDITION, A TEAM OFFICE IS PROVIDED.

FOODS LAB	1406
CLOTHING LAB	1308
UTILITY AND STORAGE	308
HOME LIVING AREA	480
SEMINAR CLASSROOM	344
TEAM OFFICE	168
TOTAL AREA	4014

FOREIGN LANGUAGES

THE FOREIGN LANGUAGE DEPARTMENT CENTERS AROUND CLASSROOMS EQUIPPED WITH LEVEL 1 AND 2 LISTENING FACILITIES. THESE FACILITIES CAN BE ANY ONE OF SEVERAL TYPES PROVIDING SIMPLE LISTENING AND LISTENING-SPEAKING FEATURES. THE LEVEL 3 LABORATORY IS INTEGRATED INTO THE A-V COMMUNICATION CENTER OF THE INSTRUCTIONAL MATERIALS CENTER. THIS CENTER WILL PROVIDE FULL FACILITIES WHEN REQUIRED BOTH BY A GROUP OR BY AN INDIVIDUAL. (SEE I.M.C.)

A PORTION OF THE LANGUAGE CLASSROOMS WILL BE USED AS GENERAL CLASSROOM IN THE INITIAL STAGES AND UNTIL THE SCHOOL ENROLLMENT APPROACHES ITS ULTIMATE.

A TEAM OFFICE IS PROVIDED, MAKING THE TOTAL AREAS AS FOLLOWS:

4 CLASSROOMS	3198
TEAM OFFICE	364
TOTAL AREA	3562

BUSINESS EDUCATION

THE BUSINESS EDUCATION DEPARTMENT IS LOCATED ADJACENT TO THE ADMINISTRATION CENTER. THIS DEPARTMENT HAS A SERIES OF SPECIAL, YET ADAPTABLE SPACES. THE BUSINESS MACHINES LABORATORY, CENTER OF THE DEPARTMENT, CONTAINS SPACE FOR ALL THE MACHINES USED IN THE CURRICULUM -- STANDARD AND ELECTRIC TYPEWRITERS, ADDING MACHINES, CALCULATORS, DUPLICATORS, ETC. THIS AREA IS DIVISIBLE BY FOLDING PARTITIONS INTO THREE SEPARATE SPACES SO THAT ANY DESIRED COMBINATION OF MACHINES CAN BE ISOLATED FOR THE PARTICULAR WORK IN PROGRESS OR ALL MAY BE OPENED TOGETHER FOR MIXED CLASS USE. TWO CLASSROOMS OPEN TO THIS SPACE SO THAT THEY MAY HAVE IMMEDIATE ACCESS TO THIS EQUIPMENT.

THE STENOGRAPHY ROOM HAS AN ADJACENT SEMINAR DICTATION ROOM WHERE BOOTHS MAY BE INSTALLED FOR SPECIAL STUDY AND SPECIAL PROJECTS MAY BE UNDERTAKEN.

THE STUDENT STORE IS DESIGNED FOR SERVE-YOURSELF OPERATION AND IS COMBINED WITH AN ADJACENT CLASS ROOM FOR DISTRIBUTIVE EDUCATION PROJECTS.

A TEACHERS TEAM OFFICE IS CENTRALLY LOCATED TO ALL TEACHING SPACES.

THE FOLLOWING SPACES ARE PROVIDED:

2 GENERAL CLASSROOMS	1588
TYPING AND MACHINES LAB	2628
STENOGRAPHIC CLASSROOM	1024
DICTATION - SEMINAR ROOM	504
DISTRIBUTIVE EDUCATION CLASSROOM AND STORE	1532
TEAM OFFICE	504
TOTAL AREA	7780

ADMIN. - HOME ECONOMICS
FOREIGN LANG. - BUS. EDUC.

scale 0 10 20 40 60 80 feet

AIA

SCIENCE

THE DISSEMINATION OF SCIENTIFIC INFORMATION SEEMS BEST ACCOMPLISHED THROUGH THE USE OF LECTURE-LAB TEACHING TECHNIQUES. THIS DEPARTMENT IS BASED ON A SERIES OF SUCH LECTURE-LABS WHICH CAN, WITHIN LIMITATIONS OF EQUIPMENT, BE USED FOR DIFFERING SUBJECTS. EACH LAB IS ARRANGED TO PROVIDE EXPERIMENT FACILITIES AND QUICKLY CONVERT TO A LECTURE-DEMONSTRATION SPACE.

IN ADDITION, A LECTURE-DEMONSTRATION CLASSROOM SEATING 70 IS INCORPORATED FOR LARGE GROUP INSTRUCTION. THIS SPACE IS ALSO ACCESSIBLE FOR USE BY OTHER DEPARTMENTS.

A SCIENCE WORKSHOP FOR SPECIAL STUDENT PROJECTS OR TEACHER PREPARATION IS ADJACENT TO THE TEAM OFFICE AND ACCESSIBLE TO THE STORAGE AREAS.

THIS AREA PROVIDES THE FOLLOWING SPACES:

3 LIFE SCIENCE LABS @ 1025	3076
LIFE SCIENCE STORAGE	368
PLANT ROOM	232
ANIMAL ROOM	80
3 PHYSICAL SCIENCE LABS @ 1055	3164
PHYSICS STORAGE	856
CHEMISTRY STORAGE	288
SCIENCE WORKSHOP	804
TEAM OFFICE	668
LARGE GROUP INSTRUCTION	1792
TOTAL AREA	11328

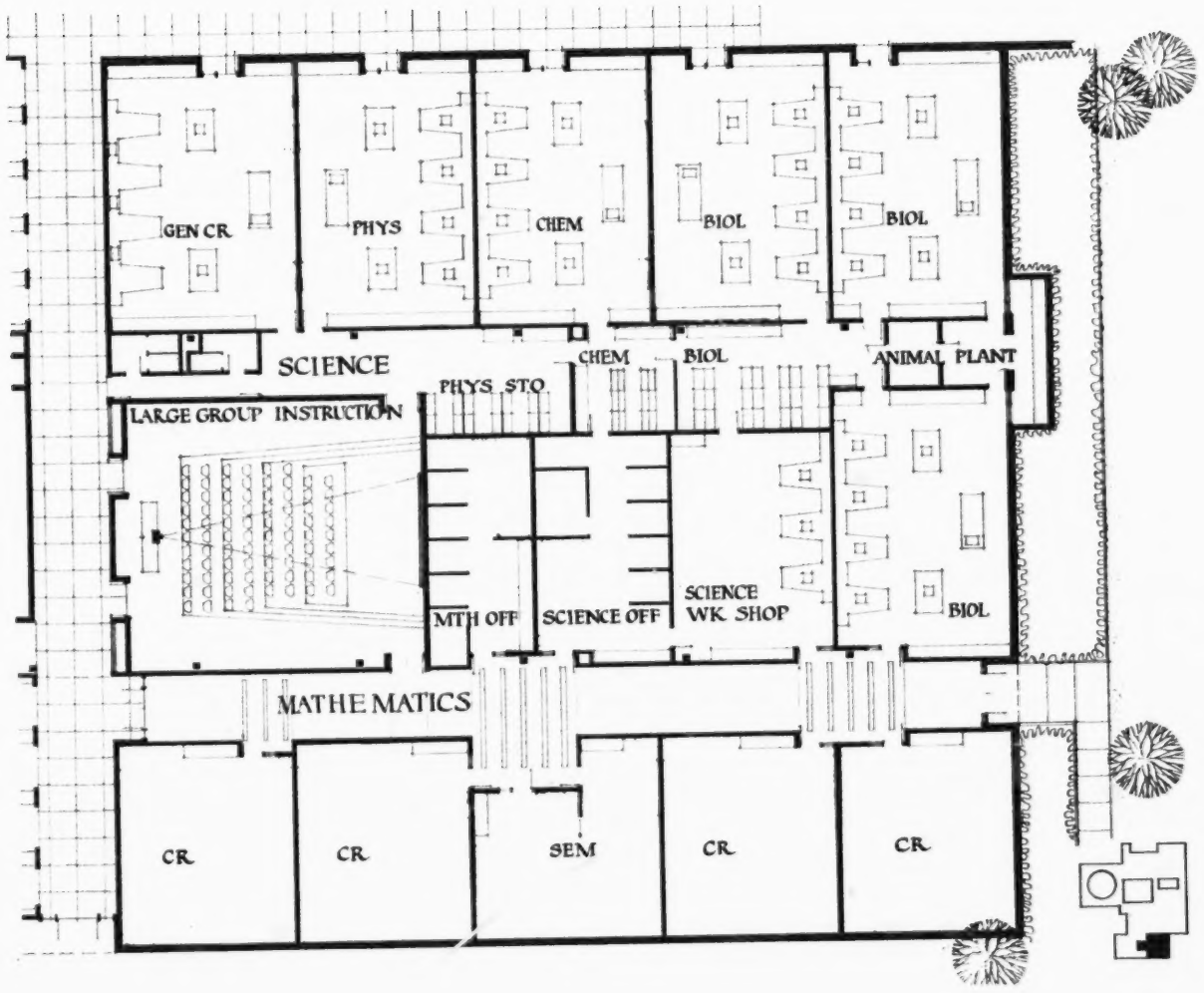
MATHEMATICS

ALTHOUGH THE CLASS GROUPING OF ABOUT 30 STUDENTS REMAINS AS A BASIC TEACHING MODULE, CLASS GROUPINGS OF MORE OR LESS ARE BECOMING MORE FREQUENT. THE ORGANIZATION OF THIS DEPARTMENT RECOGNIZES THIS TREND BY PROVIDING VARYING CLASSROOM SIZES. CLASSROOMS MAY BE OPENED TOGETHER FOR INCREASED CLASS SIZE. SMALL SEMINAR ROOMS SUITABLE FOR SMALL GROUP WORK OR INDIVIDUAL STUDY ARE PROVIDED AS WELL AS DIRECT ACCESS TO A LARGE GROUP INSTRUCTION FACILITY.

THIS AREA, SIZED IN THE INITIAL DEVELOPMENT FOR A DEPARTMENT SERVING 1200 STUDENTS, WILL OCCUPY ADDITIONAL CLASSROOMS IN THE ENGLISH-SOCIAL STUDIES UNIT IN THE ULTIMATE DEVELOPMENT.

THIS AREA PROVIDES THE FOLLOWING SPACES IN THE INITIAL PHASE:

3 CLASSROOMS	2292
3 SEMINAR CLASSROOMS	1492
TEAM OFFICE	524
TOTAL AREA	4243



SCIENCE - MATH.

scale feet

AIA

ENGLISH - LANGUAGE ARTS
SOCIAL STUDIES

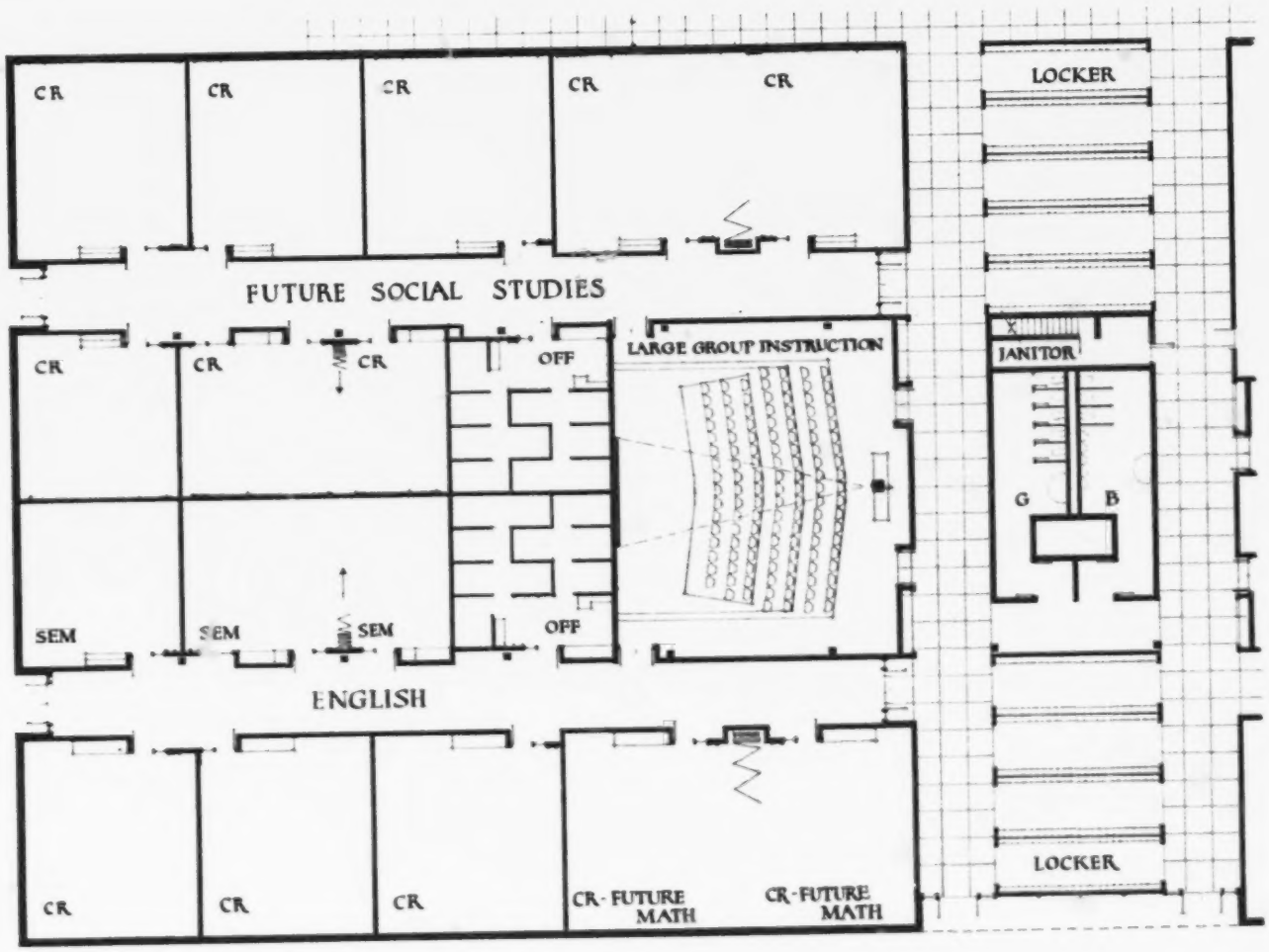
AN INCREASING EMPHASIS ON COOPERATIVE TEACHING OF VARIOUS GROUP SIZES -- INDIVIDUAL, SMALL GROUP, INTERMEDIATE AND LARGE GROUP -- HAS INDICATED THE NEED FOR A VARIETY OF GROUP SPACE SIZES FOR THESE DEPARTMENTS. THE BASIC CLASSROOM IS STILL PROVIDED AS A COMMON UNIT, HOWEVER SMALL GROUP SEMINAR ROOMS AND EXPANDABLE CLASSROOMS ALLOW DIVERSITY OF CLASS SIZE. IN ADDITION, A LARGE GROUP TEACHING FACILITY IS CENTRALLY LOCATED IN THIS UNIT FOR BOTH ENGLISH AND SOCIAL STUDIES.

UPON EXPANSION OF THE ENROLLMENT TO FULL CAPACITY, THE SOCIAL STUDIES AREA WILL BE OCCUPIED BY ENGLISH AND THE MATHEMATICS DEPARTMENT WILL EXPAND INTO A PART OF THE AREA.

COMPLETELY RELOCATABLE WALLS WILL ALLOW THE MODIFICATION OF THIS SPACE INTO A DIFFERENT FORM TO ADAPT TO NEW TEACHING METHODOLOGIES OR TO NEW USES.

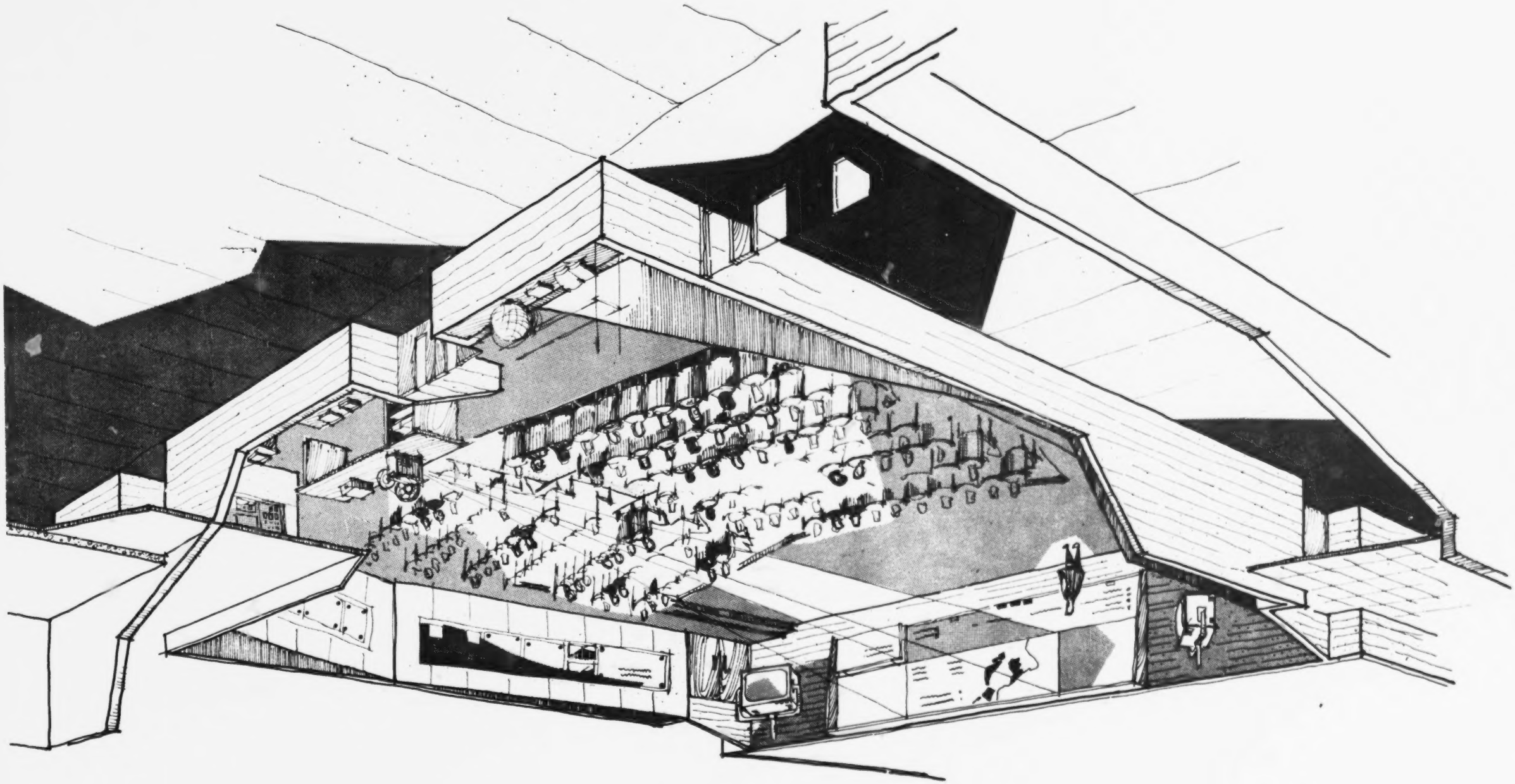
THIS AREA PROVIDES THE FOLLOWING SPACES:

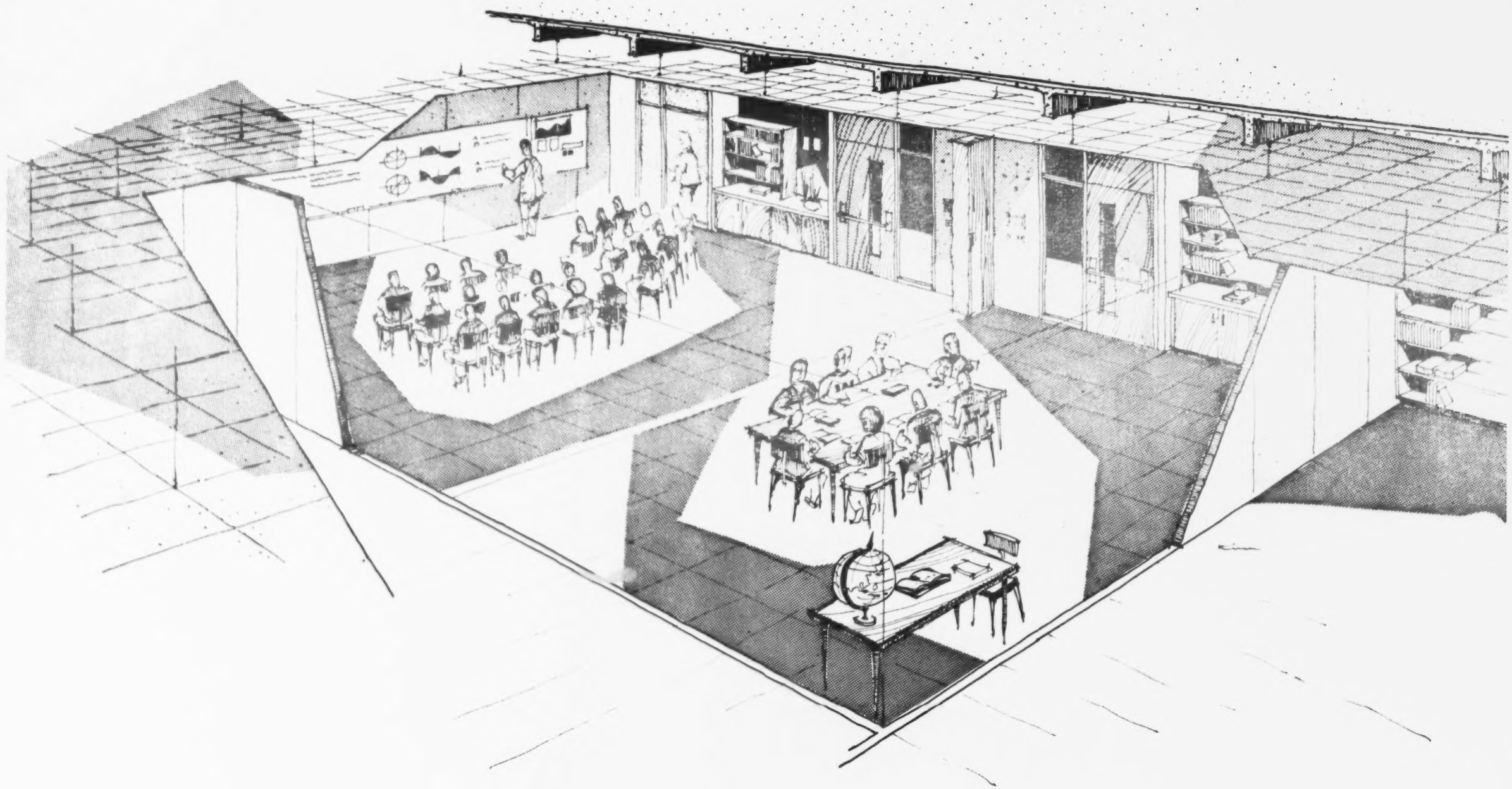
5 ENGLISH-LANGUAGE ARTS CLASSROOMS	3880
3 ENGLISH-LANGUAGE ARTS SEMINAR CLASSROOMS	1600
TEAM OFFICE	592
5 SOCIAL STUDIES CLASSROOMS	3880
3 SOCIAL STUDIES SEMINAR CLASSROOMS	1472
TEAM OFFICE	544
LARGE GROUP INSTRUCTION SPACE	2152
TOTAL AREA	14120



ENGLISH - SOCIAL STUDIES

scale feet





INSTRUCTIONAL MATERIAL CENTER

THE PLANNING OF THIS SECTION OF THE SCHOOL ENVISIONS AN INTEGRATION OF ALL INSTRUCTIONAL MEDIA - BOOKS, FILMS, RECORDINGS, ETC. -- INTO A COORDINATED PROGRAM OF INFORMATION SUPPLY AND SERVICE. IN ADDITION, THIS AREA WILL BE USED BY STAFF MEMBERS WHILE UNDERTAKING RESEARCH OR DEVELOPING THE RESOURCES FOR A PARTICULAR CURRICULUM PROGRAM.

THE READING ROOM PROVIDES THE BASIC AREA FOR WRITTEN RESOURCE INFORMATION. BOOKS, PERIODICALS, PAMPHLETS, ETC., WILL BE AVAILABLE WITHIN THIS AREA. SEMINAR SPACES ADJACENT TO THE READING ROOM PROVIDE FOR SMALL GROUP OR INDIVIDUAL USE OF THIS MATERIAL.

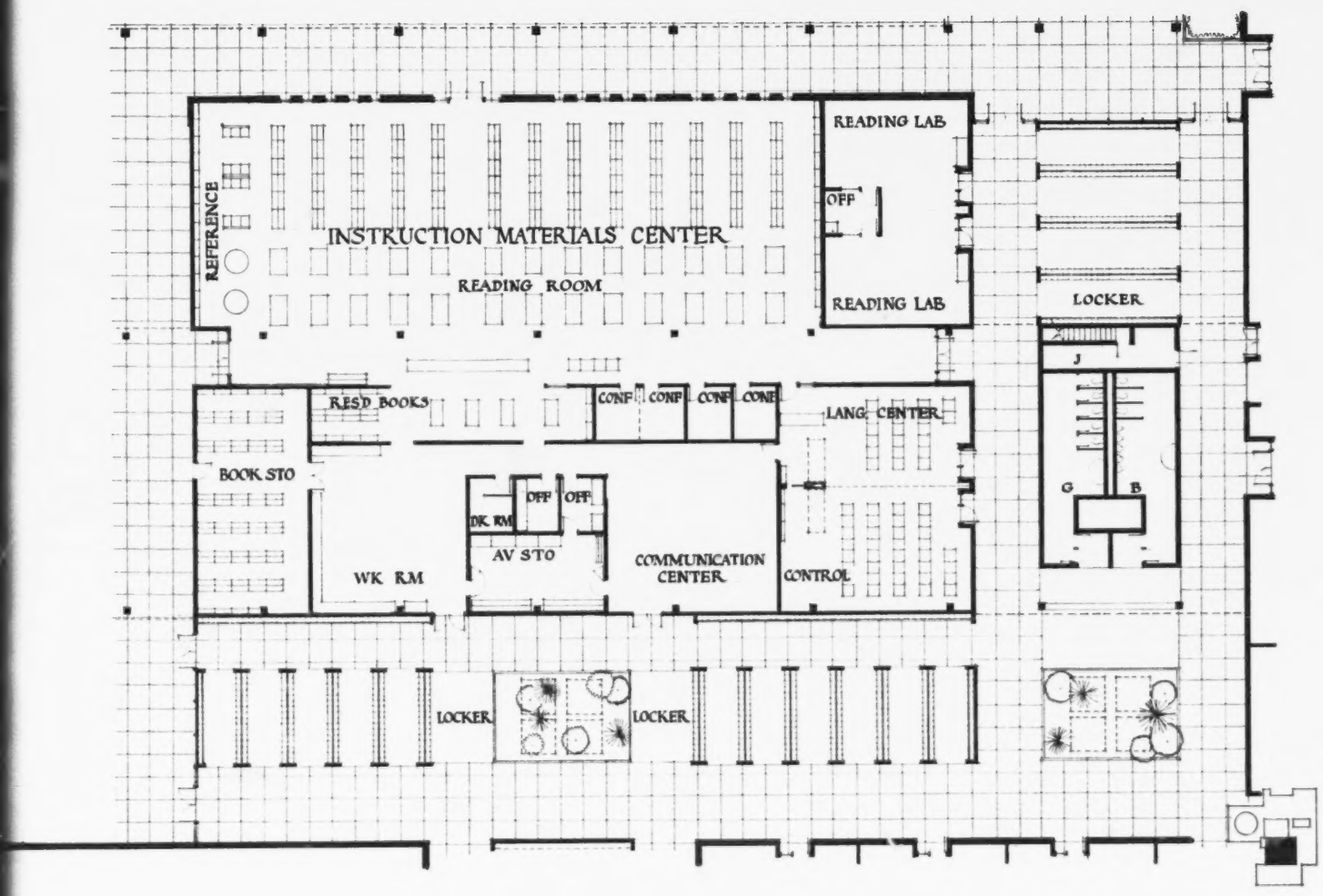
THE CIRCULATION DESK PROVIDES THE BASIC CONTROL FOR THE ENTIRE CENTER. READILY ACCESSIBLE TO IT ARE RESERVE STORAGE AREAS, BOOK STORAGE AND WORK SPACE.

IT IS PROPOSED TO INTEGRATE A CENTRAL AUDIO-VISUAL COMMUNICATION CENTER INTO THIS AREA. THIS CENTER WOULD UTILIZE A COMPLETE ELECTRONICS AUDIO-VISUAL-VIDEO SYSTEM THROUGH WHICH TAPES, SLIDES, FILMS AND TELEVISION COULD BE TRANSMITTED TO CLASSROOMS, LABORATORIES AND LECTURE HALLS. CLOSED CIRCUIT TELEVISION CAN ORIGINATE IN ANY DESIRED SPACE FOR TAPING OR TRANSMITTING.

AN INDIVIDUAL STUDY CENTER, ALSO USED AS A LANGUAGE LABORATORY, IS CLOSELY RELATED TO THE A-V CENTER ALLOWING INDIVIDUAL USE BY STUDENTS.

THE FOLLOWING SPACES ARE PROVIDED IN THE CENTER:

READING ROOM	5256	PRODUCTION AND WORK ROOM	1084
SEMINAR ROOMS	400	LISTENING CENTER	1320
CIRCULATION AND RESERVE	500	PREVIEW ROOM	100
BOOK STORAGE	800	A-V OFFICE	100
LIBRARY WORK ROOM AND TEACHER'S PREP. ROOM	880	LIBRARIAN'S OFFICE	120
A.V. STORAGE	416	READING LABORATORY	1016
DARK ROOM	80		
		TOTAL AREA	12072



I. M. C.

scale 0 10 20 40 60 80 feet

AIA

DRAMA - AUDITORIUM

THE DRAMA PROGRAM WILL CENTER AROUND THE AUDITORIUM - SPEECH DRAMA LAB FACILITIES. THE AUDITORIUM IS DESIGNED AS A MULTIPLE USE SPACE. THE STAGE AREA ALSO SERVES AS A SCENE SHOP AND WORK SPACE. THE AUDITORIUM FACILITY IS ADAPTABLE TO LARGE GROUP INSTRUCTION SPACE FOR GROUPS OF 100, 500 OR 700, WITH FOLDING PARTITIONS SEPARATING THE SPACES.

THE SPEECH-DRAMA LABORATORY IS ADAPTABLE TO A VARIETY OF USES. IT HAS PERMANENT SEATS IN THE SLOPED REAR PORTION AND PORTABLE SEATS IN THE CENTRAL FLAT PORTION. FULLY SEATED, THE SPACE ACTS AS A LITTLE THEATRE. WITH THE CENTRAL SEATS RELOCATED TO THE STAGE AND SIDES, IT CAN FUNCTION AS A THEATRE IN THE ROUND. WITHOUT SEATS, IT PROVIDES A LARGE REHEARSAL SPACE.

DRESSING ROOMS AND MAKEUP ROOMS ARE LOCATED ADJACENT TO THE SPEECH-DRAMA LAB AND WITH DIRECT ACCESS TO THE STAGE.

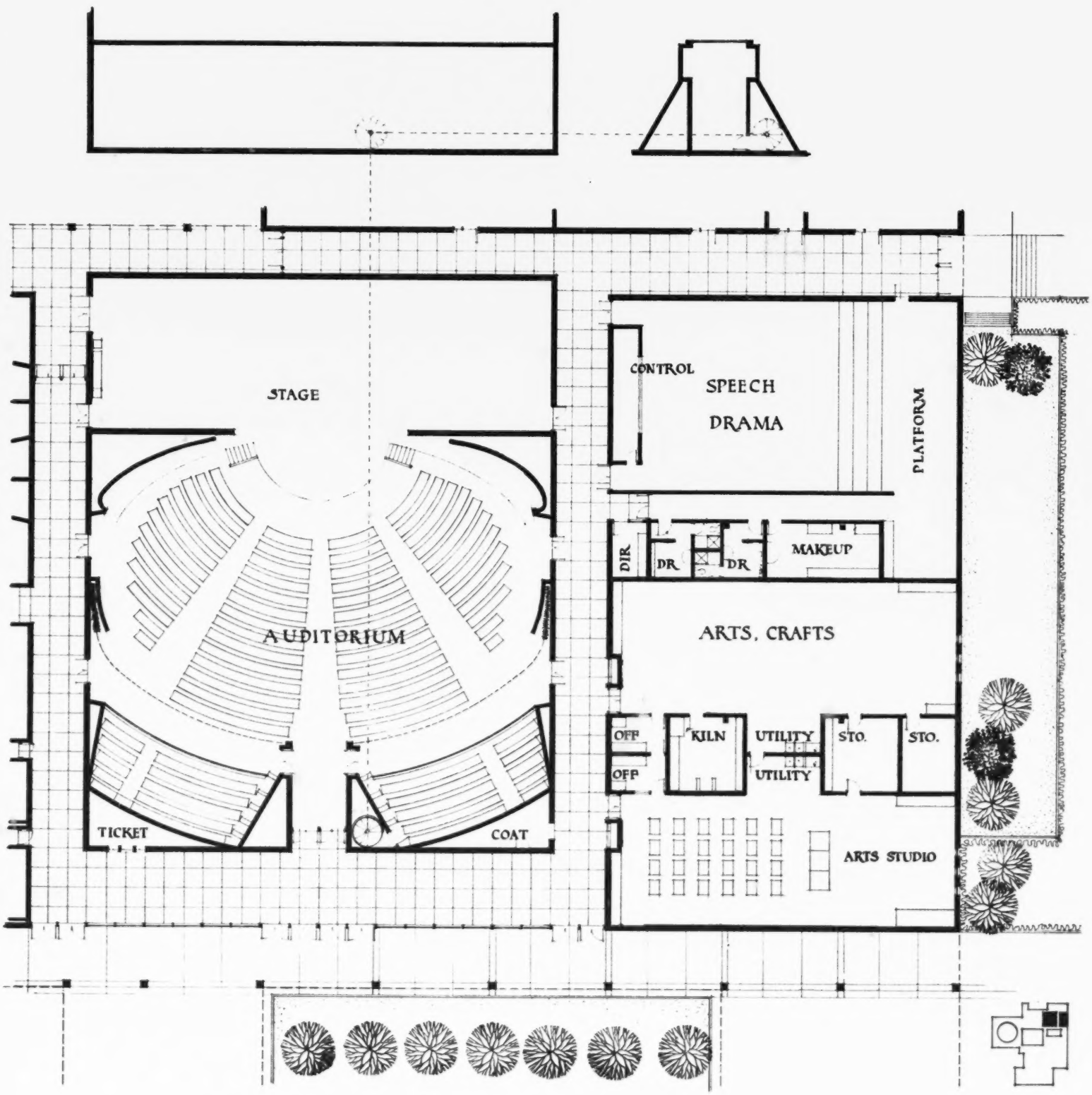
THE FOLLOWING SPACES ARE PROVIDED:

AUDITORIUM - STAGE	11400
SPEECH DRAMA LAB	3368
DRESSING - MAKEUP ROOMS	624
DIRECTOR'S OFFICE	104
TOTAL AREA	15496

ARTS AND CRAFTS

THE ARTS AND CRAFTS PROGRAM DEVELOPS PERSONAL SKILLS, ABILITIES AND TALENTS THAT MAY LEAD TO A FUTURE VOCATION OR BE USEFUL IN OTHER FIELDS. THE TREND TO ALLOW AN INDIVIDUAL APPROACH IN CREATIVE EXPLORATION REQUIRES SPACES WHICH ARE FLEXIBLE AND ADAPTABLE TO INDIVIDUAL NEEDS. AN ART STUDIO AND CRAFT STUDIO WITH STORAGE AND SPECIAL ACTIVITIES BETWEEN FORMS THE BASIC AREAS OF THE DEPARTMENT. THIS ORGANIZATION PROVIDES THE FOLLOWING SPACES:

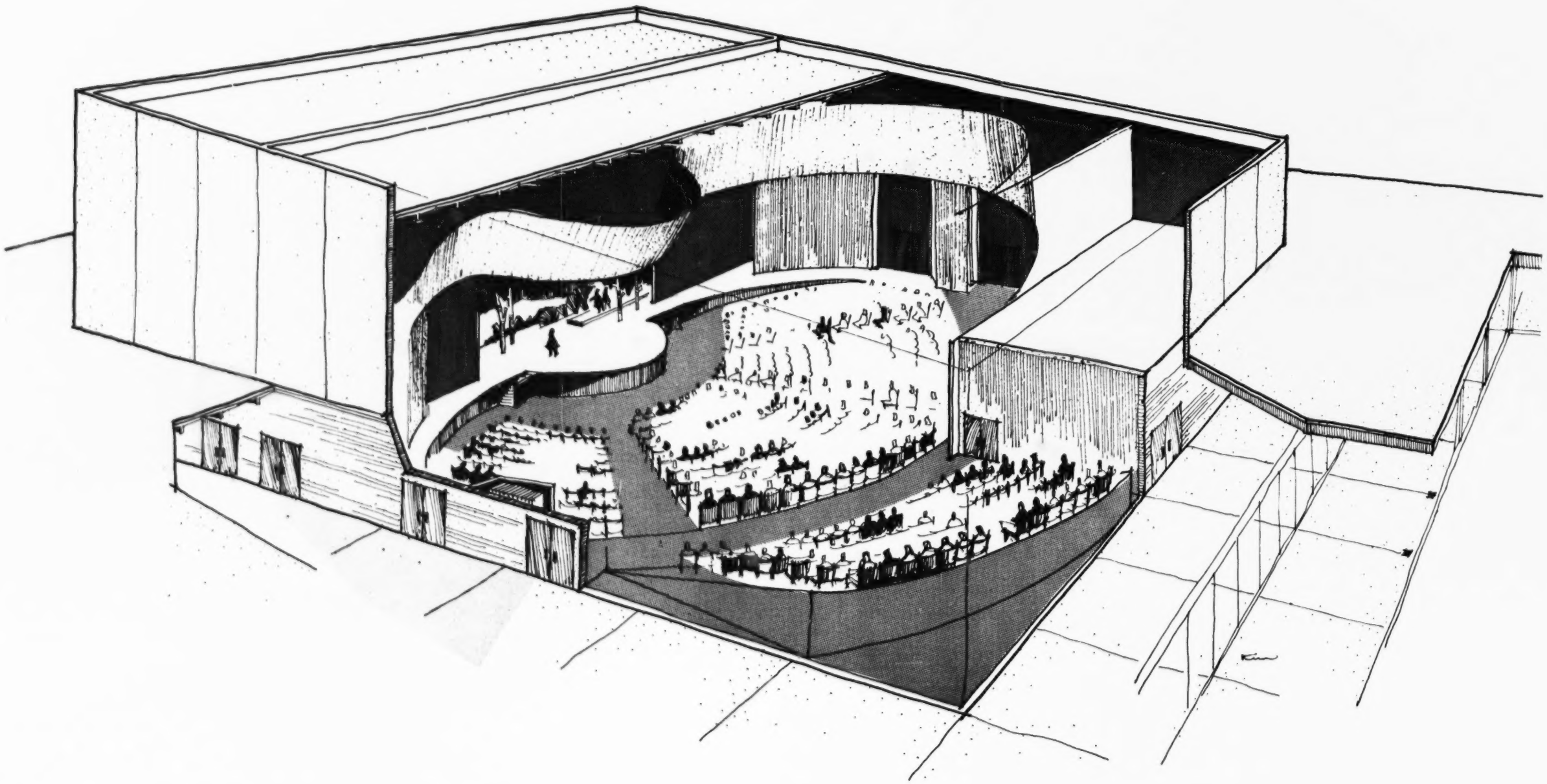
ART STUDIO	1932
ART STORAGE AREA	224
CRAFT STUDIO	2076
CRAFT STORAGE AREA	224
KILN ROOM	256
UTILITY AND CLEAN UP	256
OFFICES	192
TOTAL AREA	5160



DRAMA - ARTS - CRAFTS

scale feet

AIA



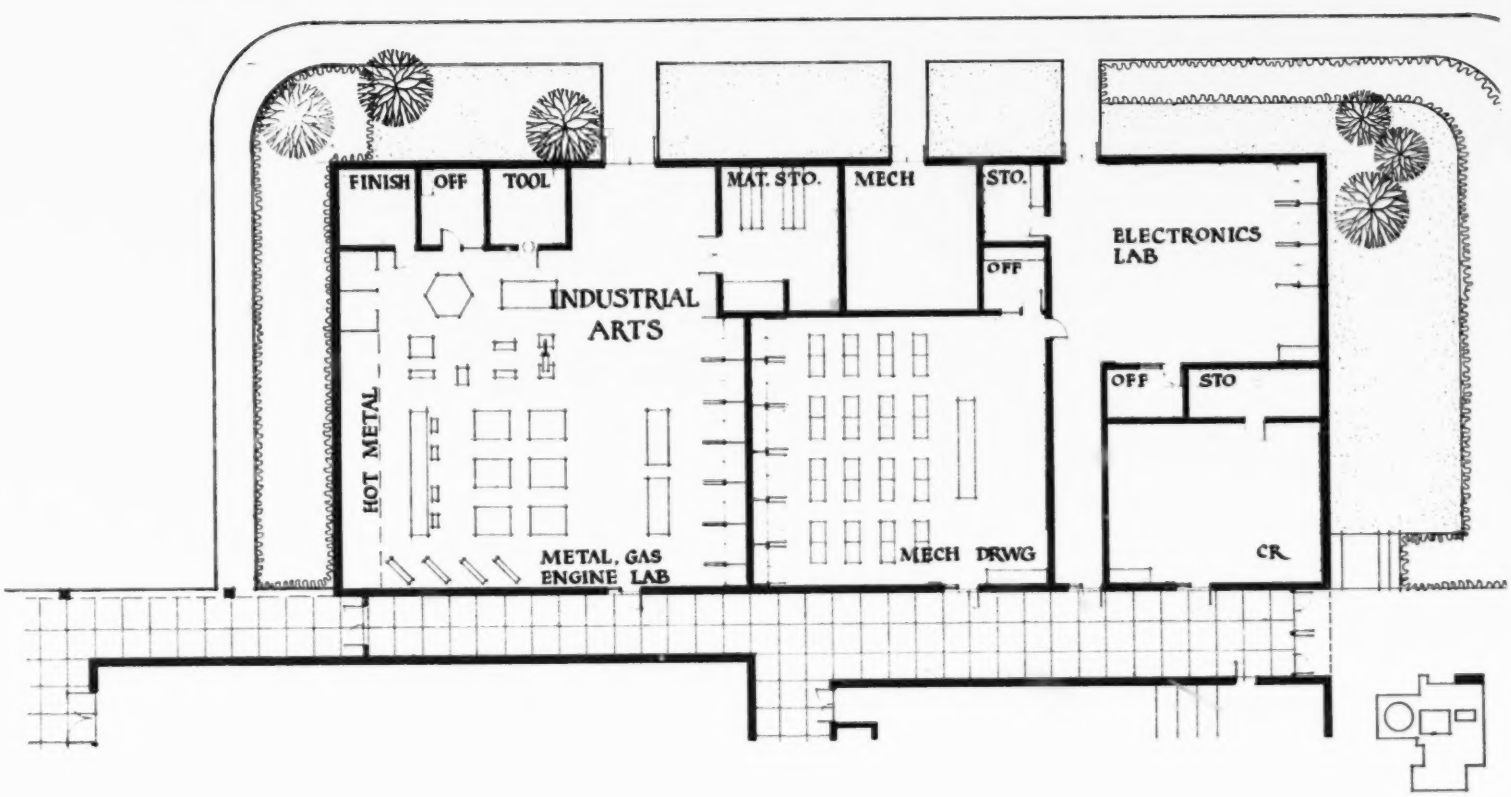
INDUSTRIAL ARTS

THE INDUSTRIAL ARTS PROGRAM PROVIDES FACILITIES FOR STUDENTS TO ACQUIRE BASIC KNOWLEDGE AND SKILLS IN THE USE OF MACHINE AND HAND TOOLS. IN ADDITION, THE PROGRAM PROVIDES FOR THE PRACTICAL APPLICATION OF STUDENT LEARNING IN MATHEMATICS, SCIENCE, AND ART. THIS AREA MAY ALSO BE USED FOR ADULT EDUCATION PROGRAMS.

FACILITIES WILL BE PROVIDED IN THE FIRST STAGE FOR METALS AND GAS ENGINES, ELECTRONICS AND DRAFTING, AND A PLANNING CLASSROOM. AS THE ENROLLMENT INCREASES, FUTURE FACILITIES WILL BE PROVIDED FOR WOODWORKING.

THE FIRST STAGE AREAS WILL BE AS FOLLOWS:

DRAFTING	1760
METALS AND GAS ENGINES LAB	4028
ELECTRONICS	1772
CLASSROOM	928
TOTAL AREA	8488



INDUSTRIAL ARTS

scale feet

CAFETERIA - STUDENT COMMONS
FOOD SERVICE FACILITIES

THE CAFETERIA, FUNCTIONING ALSO AS A STUDENT COMMONS, WILL SERVE FOR AN ASSEMBLY AND RECREATION SPACE FOR GROUP ACTIVITIES. IT WILL ALSO SERVE COMMUNITY GROUPS, SUCH AS PTA'S, SOCIAL CLUBS AND SERVICE CLUBS, DURING EVENING HOURS. THE RAISED PORTION WILL PROVIDE SMALL GROUP SEATING AREAS AS WELL AS A DIAS FOR GROUP ACTIVITIES.

THE FOOD SERVICE AREA IS DESIGNED TO PREPARE AND SERVE MEALS FOR 60% OF THE HIGH SCHOOL STUDENT BODY. IN ADDITION, FOOD WILL BE PREPARED HERE FOR THE JUNIOR HIGH SCHOOL ON THE SAME SITE AND POSSIBLY ELEMENTARY SCHOOLS IN THE VICINITY. APPROXIMATELY 2000 LUNCHES PER DAY CAN BE PREPARED IN THIS FACILITY.

A SNACK BAR IS LOCATED ADJACENT TO THE KITCHEN TO SERVE CONCURRENTLY AND INDEPENDENTLY OF THE MAIN FOOD SERVICE FACILITY.

THE FOLLOWING SPACES ARE PROVIDED:

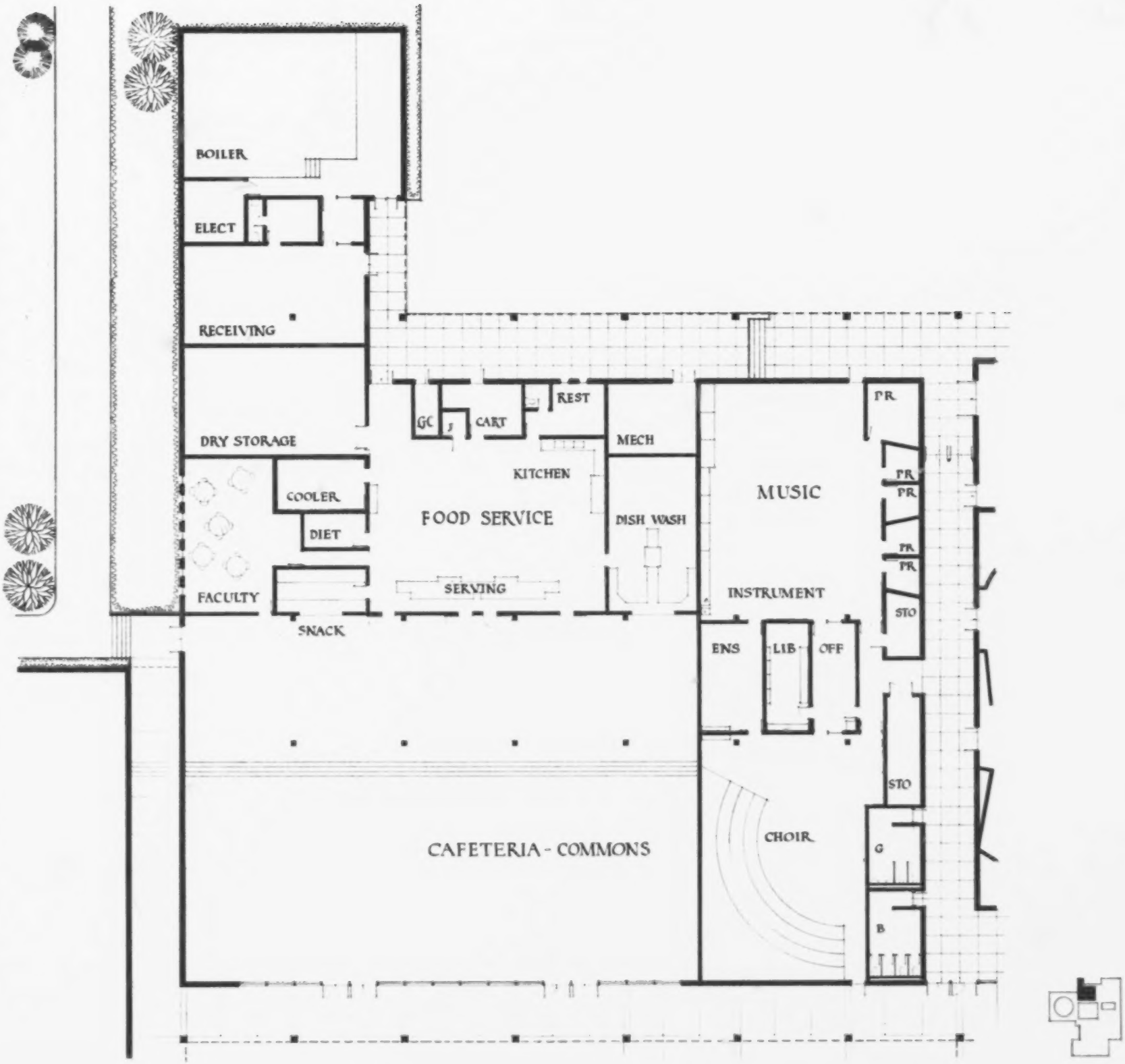
CAFETERIA - COMMONS	8960
FOOD SERVICE AREA	2152
DIETITION'S OFFICE	140
COOLER	240
DRY STORAGE	960
DISHWASHING	680
GARBAGE ROOM	72
CART WASH	132
JANITOR	36
FACULTY DINING	764
SNACK BAR	160
EMPLOYEE'S REST ROOM	264
TOTAL AREA	14560

MUSIC

THE MUSIC DEPARTMENT PROVIDES GROUP ACTIVITY SPACES FOR A VARIETY OF MUSICAL EXPERIENCES. TWO REHEARSAL ROOMS - ONE FOR CHORAL AND ONE FOR INSTRUMENTAL WORK PROVIDE FOR GROUP ACTIVITIES. AN ENSEMBLE ROOM AND PRACTICE ROOMS WILL SERVE SMALLER GROUPS OR INDIVIDUALS. A CENTRAL OFFICE - MUSIC LIBRARY CONTROLS THE MAJOR SPACES AND ACCESS TO THE DEPARTMENT.

THE FOLLOWING SPACES ARE PROVIDED:

INSTRUMENTAL REHEARSAL ROOM	2112
CHORAL REHEARSAL ROOM	2008
ENSEMBLE ROOM	336
TEAM OFFICE	240
LIBRARY	240
PRACTICE ROOMS	416
STORAGE ROOMS	304
CIRCULATION	208
TOTAL AREA	5864



CAFETERIA - MUSIC

scale feet

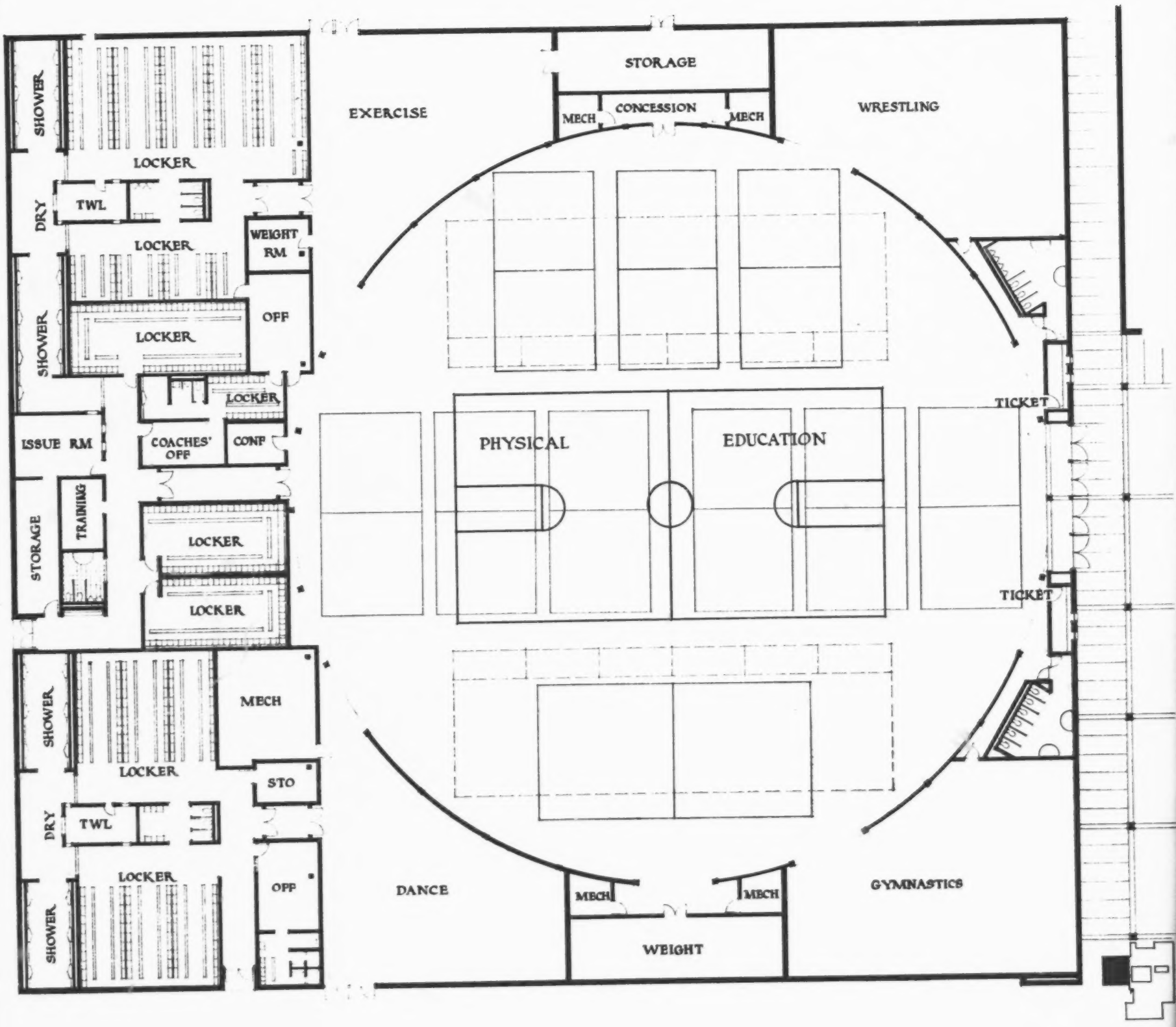
PHYSICAL EDUCATION

THE DESIGN OF THE PHYSICAL EDUCATION FACILITY PROVIDES A GROUPING OF SPACES ADAPTABLE TO A BROAD RANGE OF PHYSICAL ACTIVITIES. THE MAIN SPACE IS A DOME STRUCTURE COVERING THE PLAYING COURTS. SURROUNDING THIS SPACE ARE A SERIES OF ACTIVITY SPACES AND THE DRESSING ROOMS. ALL AREAS WITHIN THE FACILITY ARE EASILY SUPERVISED WITH LIMITED PERSONNEL.

THIS AREA IS DESIGNED AND ORIENTED FOR COMMUNITY USE AS WELL AS SCHOOL USE. IT IS READILY ACCESSIBLE FROM THE PUBLIC PARKING AREAS, THE PLAY FIELDS AND THE OTHER AREAS OF THE SCHOOL.

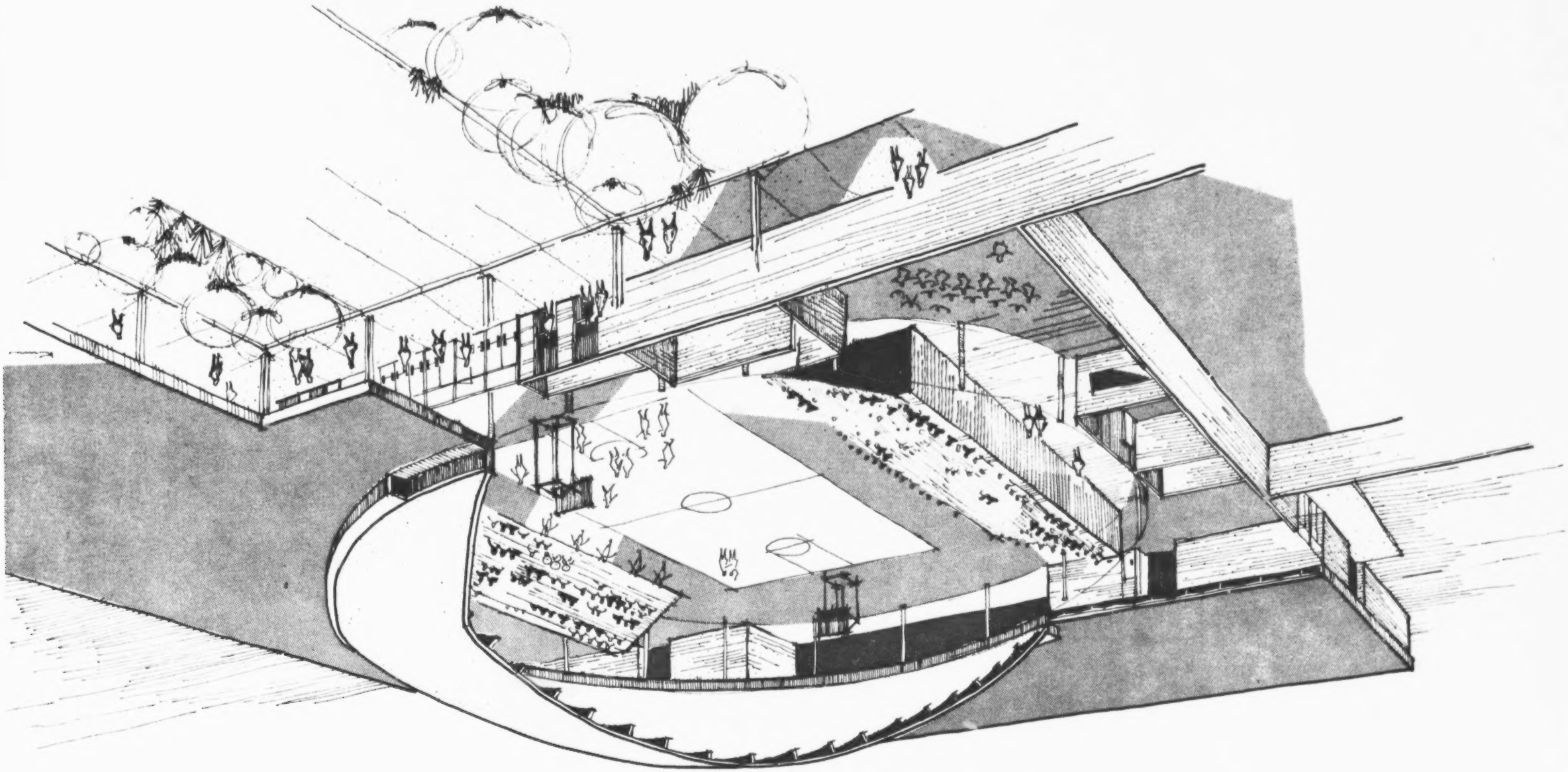
THE FOLLOWING AREAS ARE PROVIDED:

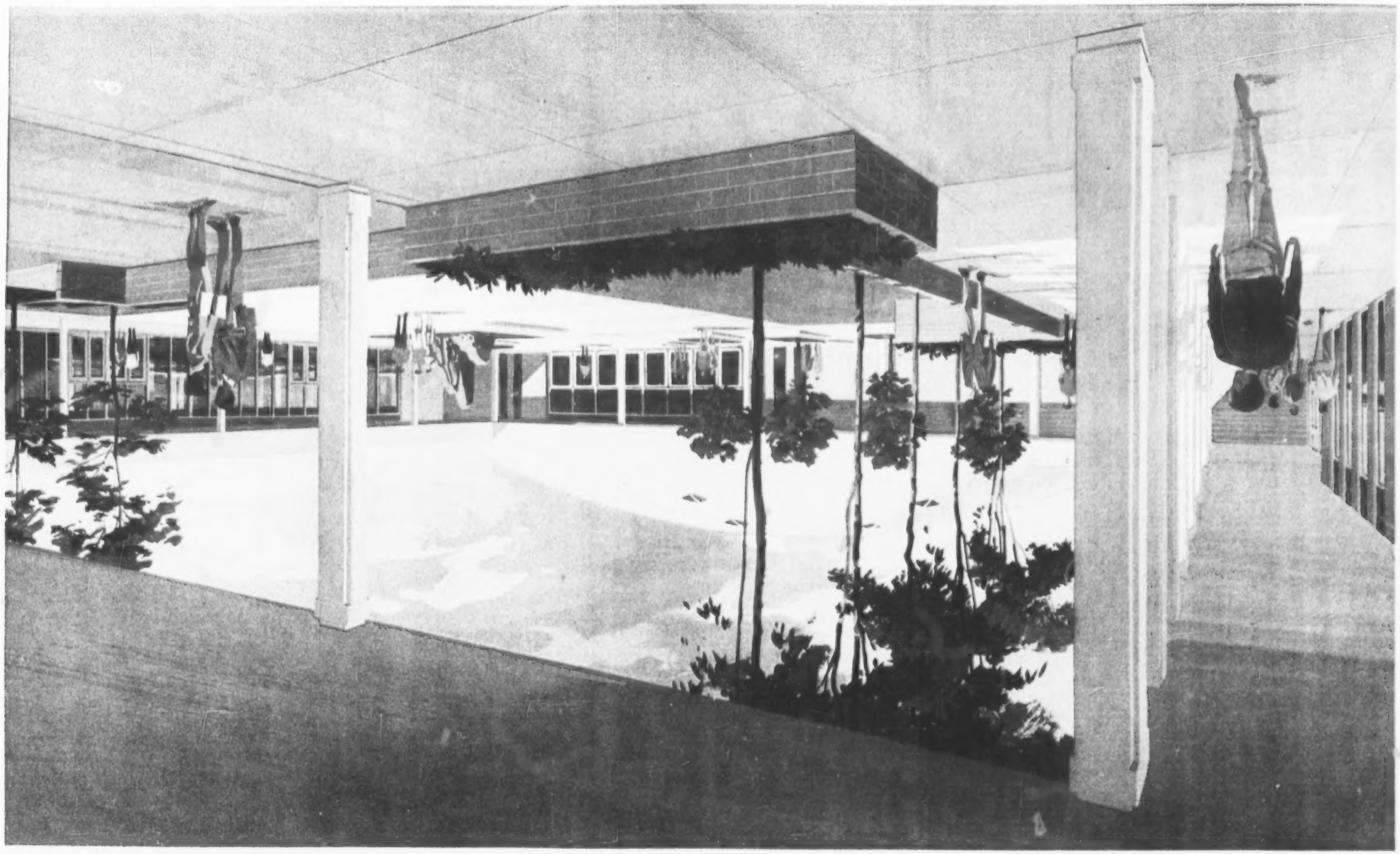
PHYSICAL EDUCATION AREAS	33032
BOYS LOCKER ROOM	1704
SHOWERS	1292
TOWEL STORAGE	132
TOILET ROOMS	244
3 TEAM ROOMS	1188
EQUIPMENT STORAGE	364
TRAINING ROOM	112
P.E. OFFICES AND SHOWERS	456
COACHES OFFICES	140
P.E. EQUIPMENT AND STORAGE	72
GIRLS LOCKER ROOM	1760
SHOWERS	1184
TOWEL STORAGE	132
TOILET ROOM	180
P.E. OFFICE AND SHOWERS	448
P.E. EQUIPMENT STORAGE	140
GENERAL STORAGE	2056
PUBLIC TOILETS	568
TICKET BOOTH	216
CONFERENCE	196
CIRCULATION	1648
TOTAL AREA	47264



PHYSICAL EDUCATION

scale feet





CONSTRUCTION CONSIDERATIONS

THE SCHOOL IS LOCATED ON THAT PART OF THE SITE WHICH IS LEVEL AND UNDEVELOPED. SOIL INVESTIGATION HAS REVEALED POOR SOIL BEARING QUALITIES ON THE SITE. THIS WILL REQUIRE SPECIAL CONSIDERATION OF FOOTING DESIGN AND FOOTING BEARING CONDITIONS. BAR RUN BEARING FILL WILL BE PLACED ON THE BUILDING PORTION OF THE SITE TO CREATE A SATISFACTORY SOIL BEARING CONDITION.

STRUCTURE

THE BASIC STRUCTURE OF THE MAJOR PORTION OF THE BUILDING WILL BE PRECAST CONCRETE ON FOUNDATIONS OF REINFORCED CONCRETE. PRECAST COLUMNS WILL SUPPORT PRECAST GIRDERS OVER WHICH WILL BE PLACED LONG SPAN PRECAST ROOF TEES. THIS STRUCTURE WILL PROVIDE MAXIMUM SPAN AREAS WITH NO BEARING WALLS AND MINIMUM INTERIOR COLUMNS.

PENTHOUSE STRUCTURES HOUSING MECHANICAL EQUIPMENT WILL HAVE SIMILAR CONSTRUCTION.

THE FIELD HOUSE SUPERSTRUCTURE WILL BE A LAMINATED HEAVY TIMBER DOME STRUCTURE COVERED WITH A WOOD DECK ROOF. THIS WILL REST ON A CAST-IN-PLACE OR PRECAST CONCRETE STRUCTURE.

EXTERIOR FINISHES

EXTERIOR WALL FINISHES WILL BE NON-BEARING MASONRY UNITS ACTING IN SOME CASES AS SHEAR WALLS. THESE WILL BE EITHER INTEGRAL FINISH UNITS OR PAINTED AFTER ERECTION.

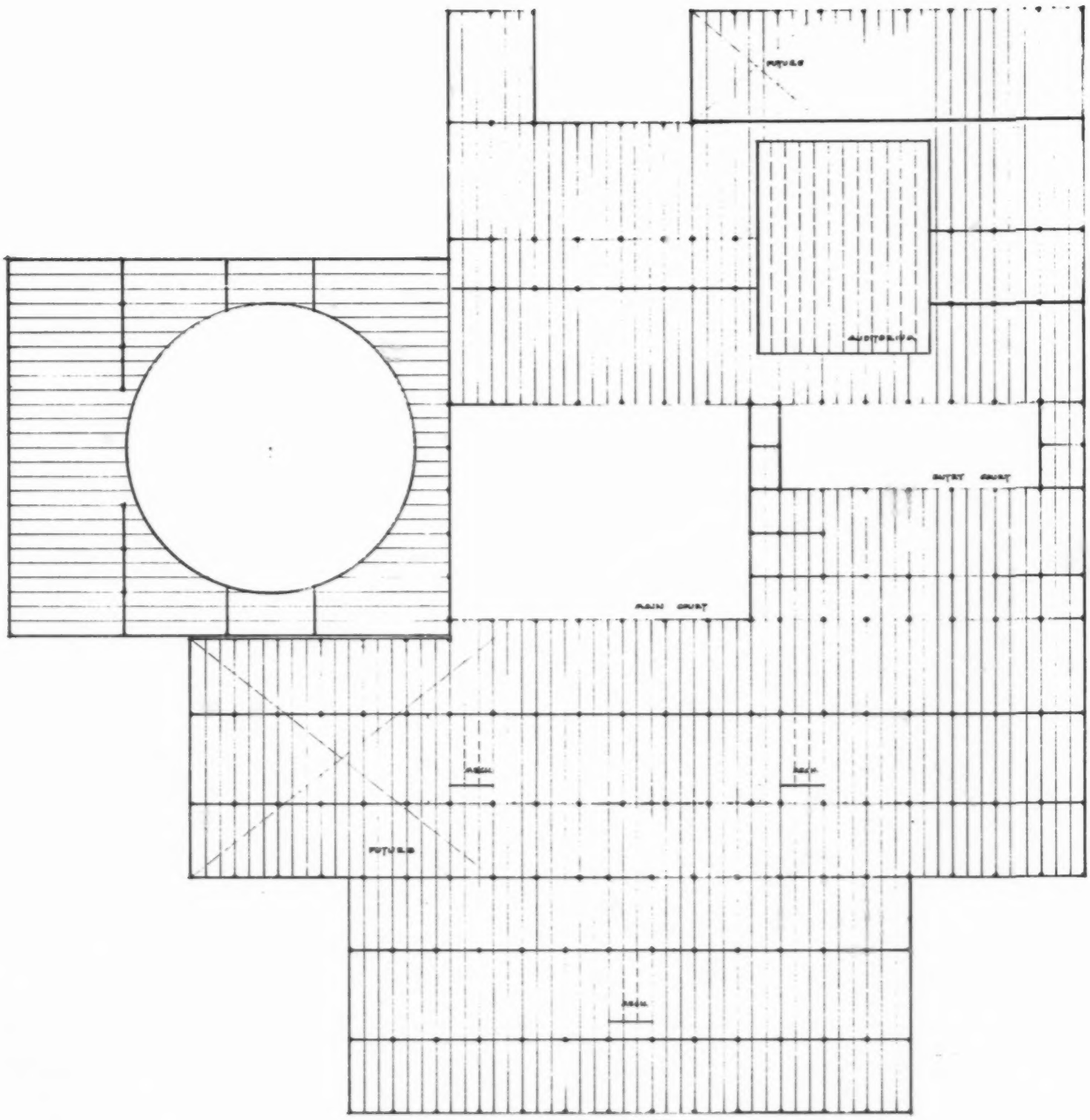
EXTERIOR WALLS OF THE AUDITORIUM WILL BE LOAD BEARING REINFORCED CONCRETE.

WINDOW AND DOOR FRAMES WILL BE ENAMELED STEEL WITH BAKED ENAMEL METAL DOORS. PLATE OR HEAVY SHEET GLASS WILL BE USED IN ALL WINDOWS DEPENDING ON THE SIZE.

INTERIOR FINISHES

ACADEMIC AREAS

FLOORS	- CORRIDORS	-	EXPOSED CONCRETE
		-	ASPHALT TILE
	- CLASSROOMS	-	ASPHALT TILE
	- SCIENCE LABS	-	EXPOSED CONCRETE
	- LARGE GROUP AREAS	-	ASPHALT TILE OR FIBER MATT
WALLS	- PAINTED MASONRY UNITS		
	- VINYL FABRIC FACED GYPSUM BOARD		


AUDITORIUM
MAIN COURT

MECHANICAL SYSTEM

1. Boiler and Mechanical Rooms.

   a. Heating Energy. It is recommended that PCS 400 heavy oil be used. It is estimated that 100,500 gallons of heavy oil will be used per school year with an estimated cost of $7,350.00.

   b. Boilers. The source of the heating system will be two oil fired, steam heating boilers. Each boiler sized for 1/2 net of total load in order that one boiler can generally carry heating load under normal conditions if the other boiler is out of service for any reason. A convertor will convert steam to hot water enabling heating water to be piped to heating and ventilating units in various zoned heating areas via insulated piping system.

   c. Domestic Hot Water. Hot water for showers and general plumbing system heated by steam from boilers via instantaneous indirect type steam heater with accumulator storage tank for large shower loads.

   d. Incinerator. Gas fired incinerator installed in Boiler Room for incineration of school waste products in accordance with City of Eugene and State of Oregon air pollution code requirements. Incinerator will have all required approved safety devices.

   e. Mechanical Cooling. Cooling in designated areas to be mechanically cooled achieved by use of roof mounted air cooled condensors, package type compressor-receiver and control center, and direct expansion refrigerant type cooling coils in air handling units.

   f. Automatic Temperature Control System. Pneumatic type control system with pneumatic-electric type controls where electrical tie-in necessary.

2. Academic, Business Education and Instructional Materials Center Areas. Classroom areas heated, ventilated and cooled by all air system. Multizone and return air fan units located in penthouses to supply and return air to each major space area. Air filtered and cleaned in penthouse to utilize maximum economy by re-use of return air whenever possible. Air supplied through ceiling diffusers and in general returned via floor grilles along walls. Room thermostat in each classroom to control respective room temperature.

3. Administration Areas. Same type of system as Academic areas, except mechanical room located on floor level. High percentage of air exhaust available in teachers lounge.

4. Science Area. Heated, ventilated and cooled by an all air system. Multizone air unit in Penthouse to supply air to each major classroom space or laboratory apreas. Air recirculated only during warm-up period from areas where odors may occur, otherwise air system capable of 100% exhaust and supply air to odor problem areas. Air over fume hoods, demonstration tables, etc. exhausted mechanically through roof.

5. Home Economics Area. Same type of system as Academic Areas, except high exhaust system in food preparation areas.

6. Arts, Crafts, and Theatrical Area. Heated, ventilated, and cooled by all air system similar to Academic Areas. Little Theatre air system designed for quiet operation.

7. Auditorium. Heated and ventilated by main air supply fan with separate duct coils for zone control. System sized for 100% outside air supply and exhaust to utilize full cooling ability of outside air when outside temperature is below room temperature. Separate exhaust system available for quick removal of heat build up.

MECHANICAL SYSTEM (CONTINUED)

8. MUSIC AREA. SAME TYPE SYSTEM AS ACADEMIC AREAS. ALL AIR DUCTS ACOUSTICALLY DESIGNED AND TREATED TO PREVENT SOUND TRANSMISSION BETWEEN ROOMS.

9. KITCHEN AND CAFETERIA AREAS. HEATED AND VENTILATED BY ALL AIR SYSTEM. NO MECHANICAL COOLING. MAJOR PORTION OF AIR EXHAUSTED THROUGH KITCHEN RANGE AND DISHWASHER HOODS AFTER WARM-UP PERIOD. EXCESS AIR FROM CAFETERIA WILL BE EXHAUSTED THROUGH KITCHEN EXHAUST SYSTEM.

10. INDUSTRIAL ARTS AREA. ALL AREAS HEATED AND VENTILATED BY MULTIZONE UNIT WITH SUPPLEMENTARY HEAT FOR SHOP AREAS BY SPACE UNIT HEATERS. ROOF EXHAUST FANS PROVIDE VENTILATION WHERE REQUIRED. SPECIAL EXHAUST SYSTEM FOR WELDING BOOTHS, SPRAY PAINT BOOTHS AND DRYING ROOMS. WOOD SHOP PROVIDED WITH UNDERFLOOR DUST COLLECTION AND EXHAUST SYSTEM.

11. GYMNASIUM AND LOCKER ROOM AREAS. GYMS HEATED AND VENTILATED BY HEATING AND VENTILATING UNITS HUNG HIGH FROM FRAMING. ROOF EXHAUST FANS MOUNTED ON ROOF OVER SPECTATOR AREAS TO INCREASE VENTILATION RATE AND HEAT REMOVAL DURING PEAK LOAD CONDITIONS. LOW RETURN AIR SYSTEM EXHAUSTING MAIN GYM SHALL SERVE AS AIR SOURCE FOR MULTIZONE ZIR SYSTEM SERVING LOCKER ROOM AREAS. AIR SUPPLIED TO LOCKER ROOM AREAS EXHAUSTED BY ROOF EXHAUST FANS THROUGH SHOWER ROOMS, TOILET ROOMS, AND LOCKER ROOMS.

12. IN UNVENTILATED SPACES SUCH AS CORRIDORS, STUDENT LOCKER AREAS, VESTIBULES, STORAGE ROOMS, ETC., HEATING IS TO BE ACCOMPLISHED WITH HEATING WATER FIN-TUBE CONVECTORS OR CABINET UNIT HEATERS.

PLUMBING SYSTEM

1. SEWAGE DISPOSAL. BUILDING WASTE SYSTEM PIPED TO CITY SANITARY SEWER SYSTEM.

2. WATER SUPPLY. FROM CITY WATER SYSTEM.

3. ROOF AND SITE DRAINAGE. AS RECOMMENDED.

4. PLUMBING FIXTURES. QUALITY AND TYPE CONSISTENT WITH TYPE GENERALLY USED IN EUGENE PUBLIC SCHOOL SYSTEM. FLUSH VALVE TYPE ON FLUSHING FIXTURES.

5. BOTH COLD AND TEMPERED WATER IS TO BE SUPPLIED TO ALL THE GROUP SHOWERS USING CENTRAL MIXING VALVE WITH INDIVIDUAL VOLUME AND TEMPERATURE CONTROL VALVES AT EACH SHOWER HEAD.